MCPS DEM SUSTAINABILITY & COMPLIANCE

School / Facility Radon Testing Report Form

School Year: **24-25**

Facility:	Charles W. Woodward High School
Address:	11211 Old Georgetown Road
	Rockville, MD 20852
Reason for Testing:	Scheduled Re-Testing - ☐ 2-year or ☒ 5-year schedule ☐ Clearance Testing (Post-Mitigation) ☐ Building Envelope or HVAC Upgrades ☒ New Construction – Addition or Facility
Current Radon Status:	☐ Active Mitigation (2-year regular schedule) ☐ No Active Mitigation (5-year regular schedule) ☒ Not Previously Tested (New Facility)
Round of Testing:	☐ Initial Testing **-or-** ☒ Follow-up Testing
Testing Status:	☒ No Further Testing Needed **-or-** ☐ Follow-Up Testing Required

Conclusion (When Testing Status is - No Further Testing Needed)

Mitigation -	**Facility Radon Status:**		
☒ Not Required ☐ Required (≥4.0-pCi/L) Rooms:	☐ No Change in Status ☐ Active Mitigation (2-year regular schedule) ☒ No Active Mitigation (5-year regular schedule)		
Number of Rooms Tested	76	Lowest Value (pCi/L)	< 0.3
Number of Rooms (≥4.0-pCi/L)	0	Highest Value (pCi/L)	1.3

Instructions: Submit one testing report form per-facility. Include the following as attachments:

Attachment 1- Summary Data Tables – containing the following: (see attached samples tables)

- Testing Results – lab/detector Identification, by room number/name (alpha-numeric order) as depicted on facility map/floor plan provided by the facility/school at the time of test device deployment;
- Summary Results – list of rooms by test result ≥2.0-pCi/L; ≥2.7-pCi/L; ≥4.0-pCi/L; and ≥8.0-pCi/L;
- QA/QC Results - (field blanks and duplicates) indicating location collected; trip and office blanks; and spike sample results;
- Invalid Measurement Locations – missed locations, missing and or damaged/compromised testing devices.

Attachment 2 – Laboratory Report(s)

Attachment 3 – Sampling Location Map(s) – indicating approximate location of samples, duplicates and blanks.

MCPS DEM SUSTAINABILITY & COMPLIANCE

School / Facility Radon Testing Report Form

Detector and Deployment

Detector/Device Type:	☒ Passive ☐ Continuous	☒ Charcoal Absorption (CAD) ☐ Alpha Track (ATD) ☐ Other ☐ Electret ion Chamber (EIC) ☐ Electronic Integration (EID)
	Other–Specify here:	
Detector/Device Name:	Air Chek – Radon Test Kits	
Manufacturer:	Radon Lab	

Person(s) Deploying or Retrieving Test Devices and certification number	Organization/Company
Tyler McCleaf, CSP – Cert. # 111004-RMP	KCI Technologies, Inc.
Brittany Maas	KCI Technologies, Inc.
Shakia Dawkins	KCI Technologies, Inc.
If noncertified individuals, the qualified measurement professional providing oversight -	
Tyler McCleaf, CSP – Cert. # 111004-RMP	KCI Technologies, Inc.

Testing

☒ Short-Term ☐ Long-Term	Length of Test (days):	3	Date of Deployment and Retrieval (mm/dd/yy):	02/10/25 02/13/25	03/24/25 03/27/25
Does the test period include weekends, school breaks or holidays?				☐ Yes ☒ No	
*If "**Yes**" please explain/detail in the space below:*					
Was HVAC operating under occupied conditions?				☒ Yes ☐ No	
*If "**No**" please explain/detail in the space below:*					

Testing (continued)

	Detectors Deployed				
	Ground-Contact		Upper-Level(s)		Total
Round of Testing	Initial	Follow-Up	Initial	Follow-Up	
Test Locations[1]	63	2	12	0	77
Duplicates[2]	7	1	1	0	9
Field Blanks[3]	4	1	0	0	5
				Grand Total	91

1 – include all detectors deployed (duplicates, field blanks); 1 detector per occupied (or intended to be occupied) ground-contact space ≤ 2,000-square feet; large spaces ≥ 2,000-square feet - 1 detector per 2,000-square feet or part thereof); and upper floors - 10% of all occupied or intended to be occupied rooms per floor (these are in addition to ground contact locations)
2 - 10% of all locations tested, per floor
3 – 5% of all locations tested, per floor

Quality Assurance / Quality Control (QA/QC)

A Quality Assurance plan that is consistent with ANSI/AARST MS-QA (Radon Measurement Systems Quality Assurance) was submitted under separate cover, and is available to review at the MCPS Radon Testing and Mitigation Program website. The following number of QA/QC samples are associated this facility.

	QA/QC Samples		Total
Round of Testing	Initial	Follow-Up	
Spikes[1]	Not applicable		10
Trip Blanks[2]	1	1	2
Office Blanks[3, 4]	1	1	2
			14

1 - 3% of EIC detectors; and 3% from each LOT of CAD and ATD detectors; a maximum of 6-spiked measurements per month for both EIC detectors and each LOT of CAD and ATD detectors.
2 – One per shipping container from start of detector deployment
3 – One per facility tested as devices are removed/allocated from the storage location for deployment;
4 - One additional blank, analyzed prior to deployment, for storage locations that have not been evaluated or monitored, for detectors that have been stored for more than 30-day durations.

Quality Assurance / Quality Control (continued)

Spike Sample Lab Results. Measured values are satisfactory, i.e., within ± 25% of the chamber's reference value?	☒ Yes ☐ No	
Quality Control measurements comply with QA/QC requirements in the submitted testing organization's/company's QA plan?	☒ Yes ☐ No	
Round of Testing	**Initial**	**Follow-Up**
All Field, Trip and Office Blanks are **≤** (less than or equal to) to the Method Detection Limit?	☒ Yes ☐ No	☒ Yes ☐ No
For all Duplicate Samples[1], the higher value is **≤ 2x** the lower value?	☐ Yes ☒ No	☒ Yes ☐ No
For all Duplicate Samples[1], Relative Percent Difference(s) (RPD)[2] are less than the Warning Level[3]?	☒ Yes ☐ No	☒ Yes ☐ No
For all Duplicate Samples[1], Relative Percent Difference(s) (RPD)[2] are less than the Control Level[3]?	☒ Yes ☐ No	☒ Yes ☐ No

1 – Duplicate Control – a "NO" response constitute a control failure and the space/location represented by the duplicate sample becomes an invalid measurement location and should be listed in the "Invalid Measurement Locations" Table attached to this report.

2 - The objective of duplicate tests is to assess the precision error of the measurement method or, how well two side-by-side measurements agree or disagree. Precision involving duplicates is calculated by using Relative Percent Difference (RPD). RPD is equal to the difference between the higher test result minus the lower value test result divided by the average of the two duplicate test results, multiplied by 100. The RPD result is then compared to the warning and control limits.

3 - The Warning Level is set at the deviation from ideal performance that would be expected to occur by chance only 5% of the time, and Control Limits are set at that deviation from ideal performance that would be expected to occur by chance only 1% of the time. The Warning Level indicates a potential problem, which should be investigated. The Control Level indicates that the measurement system should be subject to corrective action.

The control and warning levels for duplicates, based on the averaged duplicate test result, are -

Average concentration of the two duplicate test results	**Warning Level**	**Control Level**
< 2.0-pCi/L	1-pCi/L	Not applicable
Between 2.0 and 3.9-pCi/L	50% RPD	67% RPD
≥ 4.0-pCi/L	28% RPD	36% RPD

MCPS DEM SUSTAINABILITY & COMPLIANCE

School / Facility Radon Testing Report Form

Summary of Test Results[1] and Determination of Valid Measurements[2]

	Ground-Contact		Upper-Level(s)		Total
Round of Testing	**Initial**	**Follow-Up**	**Initial**	**Follow-Up**	
Number of test locations:	63	1	12	0	75
Number of locations ≥8.0-pCi/L:	0	0	0	0	0
Number of locations ≥4.0 and ≤8-pCi/L:	0	0	0	0	0
Number of locations ≥2.7 and <4-pCi/L:	0	0	0	0	0
Number of locations ≥2.0 and <2.7-pCi/L:	0	0	0	0	0
Number of missing required test locations[3]:	1	0	0	0	1
Number of failed duplicate control locations:	1	0	0	0	1
Percentage of missing test locations for the facility[4,5]:	1.59%	0	0	0	1.33%

1 – for locations with multiple test results, report consistent with Section 7.2(When Two Test Results Disagree) and 8.1.2 (Averaging) of ANSI/AARST MA-MFLB 2023 – Conducting Measurements of Radon in Multifamily, School, Commercial and Mix-Use Buildings;

2 - the allowance is to be calculated individually for Ground-Contact and Upper-Level(s) Test Locations;

3 – includes missed or inaccessible locations upon deployment or retrieval, damaged (not able to analyze) and missing detectors upon retrieval;

4 – if all valid measurements are <4.0-pCi/L and the total number of test locations are ≥18, there is an allowance of ≤33%. If less than 18 test locations please review section 6.2 of the ANSI/AARST MA-MFLB 2023;

5 – if any valid measurements are ≥4.0-pCi/L and the total number of test locations are ≥20, there is an allowance of ≤25% of the total locations tested. If less than 20 test locations please review section 6.2 of the ANSI/AARST MA-MFLB 2023.

Summary of Test Results[1] and Determination of Valid Measurements[2] (continued)

Round of Testing	Initial	Follow-Up
Were test devices deployed in all occupied and intended to be occupied rooms in contact with the ground, and, if applicable, 10% of upper floor rooms?	☒ Yes ☐ No	☒ Yes ☐ No
Were valid measurements obtained in all occupied and intended to be occupied rooms in contact with the ground, and, if applicable, 10% of upper floor rooms?	☐ Yes ☒ No	☒ Yes ☐ No
***If Yes to both above** – then Testing Status – **'No Further Testing Needed'** mark 'NA' below and complete Conclusions section*		
If No to either above, were all results obtained under 4.0-pCi/L **and** were sufficient valid measurements obtained?[1,2] ***If Yes,** then - '**No Further Testing Needed**' complete Conclusion section on first page.* ***If No**, then - '**Follow-up Testing Required**' continue below.*	☐ Yes ☒ No ☐ NA	☐ Yes ☐ No ☒ NA

1 – if all valid measurements are <4.0-pCi/L and the total number of test locations are ≥18, there is an allowance of ≤33%. If less than 18 test locations please review section 6.2 of the ANSI/AARST MA-MFLB 2023 – Conducting Measurements of Radon in Multifamily, School, Commercial and Mix-Use Buildings to determine the allowance;
2 – if any valid measurements are ≥4.0-pCi/L and the total number of test locations are ≥20, there is an allowance of ≤25% of the total locations tested. If less than 20 test locations please review section 6.2 of the ANSI/AARST MA-MFLB 2023 – Conducting Measurements of Radon in Multifamily, School, Commercial and Mix-Use Buildings to determine the number the allowance.

Follow-Up Testing

Required –

- If an insufficient number (greater than the allowance provided above) of valid measurements were obtained during the initial round of testing (the "missing required test locations" in the table above);
- Any location test results ≥ 4.0-pCi/L;
- Any location where duplicates fail QC checks; and or
- At the discretion of MCPS IAQ Staff

Reason for Follow-Up Testing	Testing Procedure	Follow-up Result	Conclusion
Insufficient Number of Measurements	Follow same procedures as Initial Testing	Not Applicable	Follow Initial Testing procedures
Results ≥ 4.0-pCi/L	Deploy two Short-term follow-up tests and required blanks and duplicates; Average the results of the two tests	≥4.0	Mitigation Required
Failed QC checks		≥2.0 and <4.0	Consider Mitigation
		<2.0	Mitigation Not Required

- ***If follow-up testing identifies additional spaces requiring additional testing it will be performed as part of the ongoing follow-testing round.***

Attachment 1:

Summary Data Tables

Table 1- Radon Testing Results		
Charles W. Woodward High School		
Test Period: 2/10/2025 - 2/13/2025		
Kit Number	Room / Area	Result
11951256	1001	< 0.3
11951257	1003	< 0.3
11951241	1004	< 0.3
11951243	1004	< 0.3
11951263	1007	< 0.3
11951259	1007	< 0.3
11951201	1009	< 0.3
11951208	1010	< 0.3
11951244	1012	< 0.3
11951202	1013	< 0.3
11951251	1015	< 0.3
11951234	1017	< 0.3
11951233	1102	< 0.3
11951253	1112	< 0.3
11951254	1112	< 0.3
11951250	1214	0.5
11951261	1219	< 0.3
11951262	1310	Unsealed Kit
11951247	2008	< 0.3
11951248	2027	< 0.3
11951235	2104	< 0.3
11951236	2209	< 0.3
11951249	2226	< 0.3
11951228	3025	< 0.3
11951211	1002A	< 0.3
11951225	1002B	0.6
11951230	1002C	< 0.3
11951206	1002D	< 0.3
11951237	1002H	< 0.3
11951224	1002J	< 0.3
11951229	1002K	< 0.3
11951218	1002L	< 0.3
11951222	1002M	< 0.3
11951223	1002M	< 0.3
11951207	1010A	< 0.3
11951213	1010C	< 0.3
11951214	1010C	< 0.3

Table 1- Radon Testing Results		
Charles W. Woodward High School		
Test Period: 2/10/2025 - 2/13/2025		
Kit Number	Room / Area	Result
11951205	1010D	< 0.3
11951246	1010E	< 0.3
11951217	1010F	< 0.3
11951239	1010F	< 0.3
11951203	1010G	< 0.3
11951204	1010H	< 0.3
11951231	1010I	< 0.3
11951232	1010J	< 0.3
11951240	1010J	< 0.3
11951215	1010K	< 0.3
11951219	1010L	< 0.3
11951220	1010M	< 0.3
11951245	1010N	< 0.3
11951226	1010O	< 0.3
11951221	1010P	< 0.3
11951216	1010Q	< 0.3
11951238	1010R	< 0.3
11951209	1102A	< 0.3
11951252	1102B	< 0.3
11951242	DANCE	< 0.3
11951278	G109	< 0.3
11951274	G201A	< 0.3
11951279	G201A	< 0.3
11951273	G203	< 0.3
11951299	G209	0.6
11951282	G210	< 0.3
11951266	G212	< 0.3
11951276	G214	< 0.3
11951300	G214	< 0.3
11951268	G215	0.5
11951293	G216	< 0.3
11951275	G216A	< 0.3
11951267	G218	< 0.3
11951258	G307	< 0.3
11951264	G307	0.5
11951285	G352	< 0.3
11951227	G359	0.7

Table 1- Radon Testing Results		
Charles W. Woodward High School		
Test Period: 2/10/2025 - 2/13/2025		
Kit Number	Room / Area	Result
11951260	G369	< 0.3
11951271	GYM	< 0.3
11951272	GYM	< 0.3
11951280	KITCHEN OFFICE	1.3
11951287	KITCHEN OFFICE	< 0.3
11951212	MAIN OFFICE	< 0.3
11951210	MEDIA	< 0.3
11951255	MEDIA	< 0.3
11951277	STUDENT DINING	< 0.3
11951286	STUDENT DINING	< 0.3
11951269	WEIGHT ROOM	< 0.3
11951270	YOGA	0.7
11951281	YOGA	< 0.3

Table 2 - Summary Testing Results ≥2.0 pCi/L							
Charles W. Woodward High School							
Test Period: 2/10/2025 - 2/13/2025							
≥2.0 and <2.7 pCi/L		≥2.7 and <4.0 pCi/L		≥4.0 and <8.0 pCi/l		≥8.0 pCi/L	
Room / Area	Result	Room / Area	Result	Room / Area	Result	Room / Area	Result
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 3 - QC Radon Testing Results			
Charles W. Woodward High School			
Test Period: 2/10/2025 - 2/13/2025			
Kit Number	**QC Type**	**Room / Area**	**Result**
11951241	FB	1004	< 0.3
11951263	D	1007	< 0.3
11951253	D	1112	< 0.3
11951223	D	1002M	< 0.3
11951213	D	1010C	< 0.3
11951239	D	1010F	< 0.3
11951240	FB	1010J	< 0.3
11951274	D	G201A	< 0.3
11951300	D	G214	< 0.3
11951258	FB	G307	< 0.3
11951287	FB	Kitchen Office	< 0.3
11951270	D	Yoga	0.7
11931685	OB	OFFICE BLANK	< 0.3
11919901	TB	TRAVEL BLANK	< 0.3

Table 3a - Duplicate Worksheet / Data Validation										
Charles W. Woodward High School										
Test Period: 2/10/2025 - 2/13/2025										
Sample ID			Duplicate Concentrations (pCi/L) and QC Checks							
Kit Numbers		Room / Area	Higher	Lower	Check #1 (Pass/Fail)	2x the Lower	Check #2 (Pass/Fail)	Average	Relative Percent Difference (RPD)	Check #3
11951263	11951259	1007	0.3	0.3	✓	0.6	PASS	0.3	<1-pCi/L	✓
11951253	11951254	1112	0.3	0.3	✓	0.6	PASS	0.3	<1-pCi/L	✓
11951223	11951222	1002M	0.3	0.3	✓	0.6	PASS	0.3	<1-pCi/L	✓
11951213	11951214	1010C	0.3	0.3	✓	0.6	PASS	0.3	<1-pCi/L	✓
11951239	11951217	1010F	0.3	0.3	✓	0.6	PASS	0.3	<1-pCi/L	✓
11951274	11951279	G201A	0.3	0.3	✓	0.6	PASS	0.3	<1-pCi/L	✓
11951300	11951276	G214	0.3	0.3	✓	0.6	PASS	0.3	<1-pCi/L	✓
11951270	11951281	Yoga	0.7	0.3	✓	0.6	FAIL	0.5	<1-pCi/L	✗

NOTES:

QC Check #1 - Data Entry

QC Check #2 - Higher duplicate concentration is < or = to 2x the Lower

QC Check #3 - Meets RPD Limits, by average duplicate concentration

- enter 2 if RPD is BELOW warning and control levels, AND passes QC Check 1 and 2
- enter 1 if RPD is ABOVE warning and BELOW control levels, AND passes QC Check 1 and 2
- enter 0 if RPD is ABOVE control level, or 'FAILS' QC Check 1 or 2

Average (pCi/L)	Warning Level	Control Level
< 2.0	1-pCi/L	NA
Between 2.0 and 3.9	50% RPD	67% RPD
≥ 4.0	28% RPD	36% RPD

Table 4 - Summary of Invalid Measurement Locations		
Charles W. Woodward High School		
Test Period: 2/10/25 - 2/13/25		
Kit Number	**Room/Area**	**Reason**
11951262	1310	Unsealed Kit

Table 1- Radon Testing Results		
Charles W. Woodward High School RT		
Test Period: 3/24/2025 - 3/27/2025		
Kit Number	Room / Area	Result
11887230	YOGA	< 0.3
11887241	YOGA	< 0.3
11887242	YOGA	< 0.3
11887243	YOGA	< 0.3

Table 2 - Summary Testing Results ≥2.0 pCi/L							
Charles W. Woodward High School RT							
Test Period: 3/24/2025 - 3/27/2025							
≥2.0 and <2.7 pCi/L		≥2.7 and <4.0 pCi/L		≥4.0 and <8.0 pCi/l		≥8.0 pCi/L	
Room / Area	**Result**	**Room / Area**	**Result**	**Room / Area**	**Result**	**Room / Area**	**Result**
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 3 - QC Radon Testing Results			
Charles W. Woodward High School RT			
Test Period: 3/24/2025 - 3/27/2025			
Kit Number	**QC Type**	**Room / Area**	**Result**
11887243	D	YOGA	< 0.3
11887230	FB	YOGA	< 0.3
11886664	OB	OFFICE BLANK	< 0.3
11886691	TB	TRAVEL BLANK	< 0.3

Table 3a - Duplicate Worksheet / Data Validation

Charles W. Woodward High School RT

Test Period: 3/24/2025 - 3/27/2025

Sample ID			Duplicate Concentrations (pCi/L) and QC Checks							
Kit Numbers		Room / Area	Higher	Lower	Check #1 (Pass/Fail)	2x the Lower	Check #2 (Pass/Fail)	Average	Relative Percent Difference (RPD)	Check #3
11887243	11887241 11887242	YOGA	0.3	0.3	✓	0.6	PASS	0.3	<1-pCi/L	✓

NOTES:

QC Check #1 - Data Entry

QC Check #2 - Higher duplicate concentration is < or = to 2x the Lower

QC Check #3 - Meets RPD Limits, by average duplicate concentration

- enter 2 if RPD is BELOW warning and control levels, AND passes QC Check 1 and 2
- enter 1 if RPD is ABOVE warning and BELOW control levels, AND passes QC Check 1 and 2
- enter 0 if RPD is ABOVE control level, or 'FAILS' QC Check 1 or 2

Average (pCi/L)	Warning Level	Control Level
< 2.0	1-pCi/L	NA
Between 2.0 and 3.9	50% RPD	67% RPD
≥ 4.0	28% RPD	36% RPD

Table 4 - Summary of Invalid Measurement Locations		
Charles W. Woodward High School RT		
Test Period: 3/24/25 - 3/27/25		
Kit Number	**Room/Area**	**Reason**
N/A	N/A	N/A

Attachment 2:

Laboratory Reports

February 17, 2025 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
CHARLES WOODWARD HS
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11951256	1001	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951211	1002A	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951225	1002B	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	0.6 ± 0.3	2025-02-17
11951230	1002C	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951206	1002D	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951237	1002H	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951224	1002J	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951229	1002K	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951218	1002L	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951223	1002M	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951222	1002M	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951257	1003	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951243	1004	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951241	1004	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951263	1007	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951259	1007	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951201	1009	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951208	1010	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951207	1010A	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951213	1010C	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951214	1010C	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951205	1010D	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951246	1010E	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951217	1010F	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951239	1010F	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951203	1010G	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951204	1010H	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951231	1010I	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951232	1010J	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951240	1010J	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951215	1010K	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951219	1010L	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951220	1010M	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951245	1010N	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951226	1010O	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951221	1010P	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951216	1010Q	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17

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

February 17, 2025 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
CHARLES WOODWARD HS
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11951238	1010R	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951244	1012	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951202	1013	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951251	1015	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951234	1017	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951233	1102	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951209	1102A	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951252	1102B	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951254	1112	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951253	1112	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951250	1214	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	0.5 ± 0.3	2025-02-17
11951261	1219	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951262	1310	2025-02-10 @ 10:00 am	2025-02-13 @ 9:00 am	???? UI	2025-02-17
11951247	2008	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951248	2027	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951235	2104	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951236	2209	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951249	2226	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951228	3025	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951242	DANCE	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951278	G109	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951274	G201A	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951279	G201A	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951273	G203	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951299	G209	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	0.6 ± 0.3	2025-02-17
11951282	G210	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951266	G212	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951300	G214	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951276	G214	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951268	G215	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	0.5 ± 0.3	2025-02-17
11951293	G216	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951275	G216A	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951267	G218	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951264	G307	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	0.5 ± 0.3	2025-02-17
11951258	G307	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951285	G352	2025-02-10 @ 12:00 pm	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951227	G359	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	0.7 ± 0.4	2025-02-17

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

February 17, 2025 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
CHARLES WOODWARD HS
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11951260	G369	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951271	GYM	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951272	GYM	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951280	KITCHEN OFFICE	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	1.3 ± 0.4	2025-02-17
11951287	KITCHEN OFFICE	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951212	MAIN OFFICE	2025-02-10 @ 10:00 am	2025-02-13 @ 8:00 am	< 0.3	2025-02-17
11951210	MEDIA	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951255	MEDIA	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951286	STUDENT DINING	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951277	STUDENT DINING	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951269	WEIGHT ROOM	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951281	YOGA	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	< 0.3	2025-02-17
11951270	YOGA	2025-02-10 @ 11:00 am	2025-02-13 @ 9:00 am	0.7 ± 0.3	2025-02-17

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

February 19, 2025 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
OFFICE
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11931685	OB	2025-02-10 @ 11:00 am	2025-02-13 @ 11:00 am	< 0.3	2025-02-17

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

February 19, 2025 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
TRAVEL
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11919901	TB	2025-02-10 @ 11:00 am	2025-02-13 @ 11:00 am	< 0.3	2025-02-17

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 20001560

NOMINAL Conditions: Radon Conc 50.6 pCi/L Rel. Hum 50.6 % Temp. 70.8 F

Date Start: 12/14/24 Date Stop: 12/17/24	Date Start: _____ Date Stop: _____
Time Start: 0815 Time Stop: 0815	Time Start: _____ Time Stop: _____
Device No.'s: (3) CHAR BAGS	Device No.'s: _____
11477880, 11477883, 11477896	_____
_____	_____
B4 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

December 23, 2024 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
SK
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11477880	SK1	2024-12-14 @ 8:00 am	2024-12-17 @ 8:00 am	52.0 ± 4.2	2024-12-23
11477883	SK2	2024-12-14 @ 8:00 am	2024-12-17 @ 8:00 am	54.6 ± 4.4	2024-12-23
11477896	SK3	2024-12-14 @ 8:00 am	2024-12-17 @ 8:00 am	45.5 ± 3.6	2024-12-23

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

KCI TECHNOLOGIES

ENGINEERS • PLANNERS • SCIENTISTS • CONSTRUCTION MANAGERS

Corporate Office: 936 Ridgebrook road • Sparks, Maryland 21152 • 410-316-7800 • (Fax) 410-316-7935

Radon Test Kit Chain of Custody

Project Name: MCPS Radon – Testing February 10th – February 14th, 2025

Name of Schools:

1. Charles W. Woodward HS
2. Walt Whitman HS
3. Wheaton HS

	Date	Initials
Radon Test Kits Deployed	2/10/2025	
Radon Test Kits Collected	2/14/2025	
Radon Test Kits Shipped to Lab*	2/14/2025	
Radon Test Kits Received by Lab*	2/18/2025	

*All samples sent to Air Check, Inc., 2 Saber Way, Ward Hill, MA 01835

April 2, 2025

** LABORATORY ANALYSIS REPORT **

Radon test result report for:

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11887230	YOGA	2025-03-24 @ 7:00 am	2025-03-27 @ 12:00 pm	< 0.3	2025-04-02
11887241	YOGA	2025-03-24 @ 7:00 am	2025-03-27 @ 12:00 pm	< 0.3	2025-04-02
11887242	YOGA	2025-03-24 @ 7:00 am	2025-03-27 @ 12:00 pm	< 0.3	2025-04-02
11887243	YOGA	2025-03-24 @ 7:00 am	2025-03-27 @ 12:00 pm	< 0.3	2025-04-02

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

April 3, 2025 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
OFFICE
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11886664	OB	2025-03-24 @ 11:00 am	2025-03-27 @ 11:00 am	< 0.3	2025-04-02
11886692	OB	2025-03-25 @ 11:00 am	2025-03-28 @ 11:00 am	< 0.3	2025-04-02
11951800	OB	2025-03-24 @ 11:00 am	2025-03-28 @ 11:00 am	< 0.3	2025-04-02

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

April 3, 2025

** LABORATORY ANALYSIS REPORT **

Radon test result report for:
TRAVEL
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11886691	TB	2025-03-24 @ 11:00 am	2025-03-27 @ 11:00 am	< 0.3	2025-04-02
11886693	TB	2025-03-25 @ 11:00 am	2025-03-28 @ 11:00 am	< 0.3	2025-04-02
11892493	TB	2025-03-24 @ 11:00 am	2025-03-28 @ 11:00 am	< 0.3	2025-04-02

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 20002919

NOMINAL Conditions: Radon Conc 7.0 pCi/L Rel. Hum 51.4 % Temp. 70.7 F

Date Start: 3/7/25 Date Stop: 3/10/25	Date Start: _____ Date Stop: _____
Time Start: 0832 Time Stop: 0832	Time Start: _____ Time Stop: _____
Device No.'s: (7) CHAR BAGS	Device No.'s: _____
11886401 thru 11886406,	
11886410	
G3 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

March 19, 2025 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
QC
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11886401	SK1	2025-03-07 @ 9:00 am	2025-03-10 @ 9:00 am	7.8 ± 1.1	2025-03-19
11886405	SK2	2025-03-07 @ 9:00 am	2025-03-10 @ 9:00 am	7.1 ± 1.1	2025-03-19
11886406	SK3	2025-03-07 @ 9:00 am	2025-03-10 @ 9:00 am	7.7 ± 1.1	2025-03-19
11886403	SK4	2025-03-07 @ 9:00 am	2025-03-10 @ 9:00 am	7.9 ± 1.2	2025-03-19
11886404	SK5	2025-03-07 @ 9:00 am	2025-03-10 @ 9:00 am	7.6 ± 1.2	2025-03-19
11886410	SK6	2025-03-07 @ 9:00 am	2025-03-10 @ 9:00 am	7.0 ± 1.1	2025-03-19
11886402	SK7	2025-03-07 @ 9:00 am	2025-03-10 @ 9:00 am	8.6 ± 1.2	2025-03-19

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

KCI TECHNOLOGIES

ENGINEERS • PLANNERS • SCIENTISTS • CONSTRUCTION MANAGERS

Corporate Office: 936 Ridgebrook road • Sparks , Maryland 21152 • 410-316-7800 • (Fax) 410-316-7935

Radon Test Kit Chain of Custody

Project Name: MCPS Radon – Testing March 24th – March 27th, 2025

Name of Schools:

1. Beverly Farms ES
2. Bradley Hills ES
3. Cabin John MS
4. Springbrook HS
5. Thomas Edison HS
6. Walter Johnson HS
7. Julius West MS
8. Parkland MS
9. Rockville HS
10. Westland MS
11. Charles W. Woodward HS
12. Walt Whitman HS

	Date	Initials
Radon Test Kits Deployed	3/24/2025	
Radon Test Kits Collected	3/27/2025	
Radon Test Kits Shipped to Lab*	3/28/2025	
Radon Test Kits Received by Lab*	4/01/2025	

*All samples sent to Air Check, Inc., 2 Saber Way, Ward Hill, MA 01835