

School / Facility Radon Testing Report Form

Instructions: Submit one testing report form per-facility per-round of testing. 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.

School Year: **23-24**

Facility:	Cabin Branch Elementary School
Address:	14126 Dunlin Street
	Clarksburg, MD 20871

Reason for Testing:	<input type="checkbox"/> Scheduled Re-Testing (2 or 5-year schedule) <input type="checkbox"/> Clearance Testing (Post-Mitigation) <input type="checkbox"/> System(s) Performance Testing (Post-Mitigation) <input checked="" type="checkbox"/> New Construction/Facility
Facility Current Radon Status:	<input type="checkbox"/> Active Mitigation (2-year regular schedule) <input type="checkbox"/> No Active Mitigation (5-year regular schedule) <input checked="" type="checkbox"/> Not Previously Tested
Round of Testing:	<input type="checkbox"/> Initial Testing -or- <input checked="" type="checkbox"/> Follow-up Testing
Testing Status:	<input checked="" type="checkbox"/> No Further Testing Needed -or- <input type="checkbox"/> Follow-Up Testing Required

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

Mitigation -	Facility Radon Status:
<input checked="" type="checkbox"/> Not Required or Considered <input type="checkbox"/> Required (>8.0 -pCi/L) Room: 102C <input type="checkbox"/> Required (≥ 4.0 -pCi/L) <input type="checkbox"/> Consider (≥ 2.0 & <4.0 -pCi/L)	<input type="checkbox"/> No Change in Status <input type="checkbox"/> Active Mitigation (2-year regular schedule) <input checked="" type="checkbox"/> No Active Mitigation (5-year regular schedule)

Detector and Deployment

Detector/Device Type:	<input checked="" type="checkbox"/> Passive	<input checked="" type="checkbox"/> Charcoal Absorption (CAD)	<input type="checkbox"/> Alpha Track (ATD)	<input type="checkbox"/> Other
	<input type="checkbox"/> Continuous	<input type="checkbox"/> Electret ion Chamber (EIC)	<input type="checkbox"/> Electronic Integration (EID)	
<i>Other—Specify here:</i>				
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			KCI Technologies, Inc.	
<i>If noncertified individuals, the qualified measurement professional providing oversight -</i>				
Tyler McCleaf, CSP – Cert. #111004-RMP				

Testing

<input checked="" type="checkbox"/> Short-Term	Length of Test (days):	3	Date of Deployment and Retrieval (mm/dd/yy):	02/20/2024
<input type="checkbox"/> Long-Term				02/23/2024
Does the test period include weekends, school breaks or holidays?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<i>If "Yes" please explain/detail in the space below:</i>				
Was HVAC operating under occupied conditions?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<i>If "No" please explain/detail in the space below:</i>				

Testing (continued)

	Detectors Deployed		
	Ground-Contact	Upper-Level(s)	Total
Test Locations ¹	1	0	1
Duplicates ²	1	0	1
Field Blanks ³	1	0	1
Grand Total			3

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.

Spike Samples ¹	6	Trip Blank(s) ²	1	Office Blank(s) ^{3,4}	1
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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.

Spike Sample Lab Results. Measured values are satisfactory, i.e., within ± 25% of the chamber's reference value.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Quality Control measurements comply with QA/QC requirements in the QA plan previously submitted?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Quality Assurance / Quality Control (QA/QC) (continued)

If "No" to either, please describe any QC measurements that were missing or outside of control tolerances established in the QAP here:

Summary of Test Results¹ and Determination of Valid Measurements²

	Ground-Contact	Upper-Level(s)	Total
Number of test locations:	1	0	1
Number of locations ≥ 8.0 -pCi/L:	0	0	0
Number of locations ≥ 4.0 and ≤ 8 -pCi/L:	0	0	0
Number of locations ≥ 2.7 and ≤ 4 -pCi/L:	0	0	0
Number of locations ≥ 2.0 and ≤ 4 -pCi/L:	0	0	0
Number of missing required test locations ³ :	0	0	0
Percentage of missing test locations for the facility ^{4,5} :	0	0	0

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 $\leq 33\%$. 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 $\leq 25\%$ 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 Results¹ and Determination of Valid Measurements² (continued)

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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<i>If Yes to both above – then Testing Status – ‘No Further Testing Needed’ mark ‘NA’ below and complete Conclusions section</i>	
If No to either above , were all results obtained under 4.0-pCi/L and were there sufficient valid measurements obtained? ^{1,2} <i>If Yes – then Testing Status - ‘No Further Testing Needed’ complete Conclusion section</i> <i>If No, then Testing Status - ‘Follow-up Testing Required’ continue below</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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.

- **If ‘No Further Testing Needed’** complete conclusions section on first page.
- **If ‘Follow-up Testing Required’** – complete Follow-up Testing described below and the conclusion section on the first page for only the valid measurements/results obtained

Follow-Up Testing (if required)

Required if –

- 1- Not enough valid results were obtained from a facility (table above);
- 2- Any results ≥ 4.0 – pCi/L; and
- 3- At the discretion of MCPS IAQ Staff

Follow-up Testing:

- 1- If an insufficient number of valid measurements obtained during initial round:
 - return to facility to test locations that require valid measurements
- 2- Follow-up Testing for valid measurements ≥ 4.0-pCi/L

Initial Result(s)	Procedure	Follow-up Result	Conclusion
≥ 4.0-pCi/L	1- Short-term follow-up test 2- Average the results of the two tests	≥4.0	Mitigation Required
		<4.0 but >2.0	Consider Mitigation
		<2.0	Not Required or Considered



School / Facility Radon Testing Report Form

- Complete second School/Facility Radon Testing Report Form for only Follow-up Testing locations.

Attachment 1:
Summary Data Tables

Table 1- Radon Retesting Results		
Cabin Branch Elementary School		
Test Period: 02/20/2024 - 02/23/2024		
Kit Number	Room / Area	Result
11463499	102C	<0.3
11477830	102C	0.6
11478496	102C	0.8

Table 3 - QC Radon Retesting Results			
Cabin Branch Elementary School			
Test Period: 02/20/2024 - 02/23/2024			
Kit Number	QC Type	Room / Area	Result
11463499	FB	102C	<0.3
11477830	D	102C	0.6

Attachment 2:
Laboratory Reports

February 28, 2024

**** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
CABIN BRANCH ES
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11463499	102C	2024-02-20 @ 12:00 pm	2024-02-23 @ 11:00 am	< 0.3	2024-02-27
11477830	102C	2024-02-20 @ 12:00 pm	2024-02-23 @ 11:00 am	0.6 ± 0.3	2024-02-27
11478496	102C	2024-02-20 @ 12:00 pm	2024-02-23 @ 11:00 am	0.8 ± 0.3	2024-02-27

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

February 27, 2024

**** LABORATORY ANALYSIS REPORT ****

Radon test result report for:

**KCI
MAIN**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11477832	OB	2024-02-23 @ 8:00 am	2024-02-26 @ 11:00 am	< 0.3	2024-02-27
11482793	OB	2024-02-23 @ 8:00 am	2024-02-26 @ 11:00 am	< 0.3	2024-02-27
11477841	TB	2024-02-23 @ 8:00 am	2024-02-26 @ 11:00 am	< 0.3	2024-02-27
11482795	TB	2024-02-23 @ 8:00 am	2024-02-26 @ 11:00 am	< 0.3	2024-02-27

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

January 29, 2024

**** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
STORAGE
KCI

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11635097	Storage	2024-01-07 @ 9:00 am	2024-01-11 @ 9:00 am	< 0.3	2024-01-15

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 213819

NOMINAL Conditions: Radon Conc 50.0 pCi/L Rel. Hum 28.9 % Temp. 69.1 F

Date Start: 2/23/24 Date Stop: 2/26/24 Date Start: _____ Date Stop: _____

Time Start: 0812 Time Stop: 0812 Time Start: _____ Time Stop: _____

Device No.'s: (6) CHAR BAGS Device No.'s: _____

11478400, 11477842, 11477845, _____

11477852, 11477996, 11477999 _____

E3 left

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 1, 2024

**** LABORATORY ANALYSIS REPORT ****

Radon test result report for:

FEB SK

MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11477842	NA	2024-02-23 @ 8:00 am	2024-02-26 @ 8:00 am	50.3 ± 4.0	2024-03-01
11477845	NA	2024-02-23 @ 8:00 am	2024-02-26 @ 8:00 am	55.3 ± 4.4	2024-03-01
11477852	NA	2024-02-23 @ 8:00 am	2024-02-26 @ 8:00 am	49.4 ± 4.0	2024-03-01
11477996	NA	2024-02-23 @ 8:00 am	2024-02-26 @ 8:00 am	49.8 ± 4.0	2024-03-01
11477999	NA	2024-02-23 @ 8:00 am	2024-02-26 @ 8:00 am	55.4 ± 4.4	2024-03-01
11478400	NA	2024-02-23 @ 8:00 am	2024-02-26 @ 8:00 am	47.0 ± 3.8	2024-03-01

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 – Testing February 20th – February 23rd, 2024

Name of Schools:

1. Cabin Branch ES
2. Clarksburg HS
3. Fairland ES
4. Jackson Road ES
5. JFK HS
6. John T. Baker MS
7. White Oak MS

	Date	Initials
Radon Test Kits Deployed	02/20/2024	JM
Radon Test Kits Collected	02/23/2024	AM
Radon Test Kits Shipped to Lab*	02/23/2024	AM
Radon Test Kits Received by Lab*	02/27/2024	AM

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

Attachment 3:
Sampling Location Map



School / Facility Radon Testing Report Form

Instructions: Submit one testing report form per-facility per-round of testing. 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.

School Year: **23-24**

Facility:	Cabin Branch Elementary School
Address:	14126 Dunlin Street
	Clarksburg, MD 20871

Reason for Testing:	<input type="checkbox"/> Scheduled Re-Testing (2 or 5-year schedule) <input type="checkbox"/> Clearance Testing (Post-Mitigation) <input type="checkbox"/> System(s) Performance Testing (Post-Mitigation) <input checked="" type="checkbox"/> New Construction/Facility
Facility Current Radon Status:	<input type="checkbox"/> Active Mitigation (2-year regular schedule) <input type="checkbox"/> No Active Mitigation (5-year regular schedule) <input checked="" type="checkbox"/> Not Previously Tested
Round of Testing:	<input checked="" type="checkbox"/> Initial Testing -or- <input type="checkbox"/> Follow-up Testing
Testing Status:	<input type="checkbox"/> No Further Testing Needed -or- <input checked="" type="checkbox"/> Follow-Up Testing Required

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

Mitigation -	Facility Radon Status:
<input type="checkbox"/> Not Required or Considered <input type="checkbox"/> Required (>8.0 -pCi/L) <input type="checkbox"/> Required (≥ 4.0 -pCi/L) <input type="checkbox"/> Consider (≥ 2.0 & <4.0 -pCi/L)	<input type="checkbox"/> No Change in Status <input type="checkbox"/> Active Mitigation (2-year regular schedule) <input type="checkbox"/> No Active Mitigation (5-year regular schedule)

Detector and Deployment

Detector/Device Type:	<input checked="" type="checkbox"/> Passive	<input checked="" type="checkbox"/> Charcoal Absorption (CAD)	<input type="checkbox"/> Alpha Track (ATD)	<input type="checkbox"/> Other
	<input type="checkbox"/> Continuous	<input type="checkbox"/> Electret ion Chamber (EIC)	<input type="checkbox"/> Electronic Integration (EID)	
<i>Other—Specify here:</i>				
Detector/Device Name:	Air Chek – Radon Test Kits			
Manufacturer:	Radon Lab			
Person(s) Deploying or Retrieving Test Devices and certification number			Organization/Company	
Shakia Dawkins			KCI Technologies, Inc.	
<i>If noncertified individuals, the qualified measurement professional providing oversight -</i>				
Tyler McCleaf, CSP – Cert. #111004-RMP				

Testing

<input checked="" type="checkbox"/> Short-Term	Length of Test (days):	3	Date of Deployment and Retrieval (mm/dd/yy):	01/29/2024
<input type="checkbox"/> Long-Term				02/01/2024
Does the test period include weekends, school breaks or holidays?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<i>If "Yes" please explain/detail in the space below:</i>				
Was HVAC operating under occupied conditions?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<i>If "No" please explain/detail in the space below:</i>				

Testing (continued)

	Detectors Deployed		
	Ground-Contact	Upper-Level(s)	Total
Test Locations ¹	51	4	55
Duplicates ²	5	0	5
Field Blanks ³	2	1	3
Grand Total			63

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.

Spike Samples ¹	6	Trip Blank(s) ²	2	Office Blank(s) ^{3,4}	2
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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.

Spike Sample Lab Results. Measured values are satisfactory, i.e., within ± 25% of the chamber's reference value.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Quality Control measurements comply with QA/QC requirements in the QA plan previously submitted?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Quality Assurance / Quality Control (QA/QC) (continued)

If “No” to either, please describe any QC measurements that were missing or outside of control tolerances established in the QAP here:

Summary of Test Results¹ and Determination of Valid Measurements²

	Ground-Contact	Upper-Level(s)	Total
Number of test locations:	51	4	55
Number of locations ≥8.0-pCi/L:	1	0	1
Number of locations ≥4.0 and ≤8-pCi/L:	0	0	0
Number of locations ≥2.7 and ≤4-pCi/L:	0	0	0
Number of locations ≥2.0 and ≤4-pCi/L:	0	0	0
Number of missing required test locations ³ :	0	0	0
Percentage of missing test locations for the facility ^{4,5} :	0	0	0

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 Results¹ and Determination of Valid Measurements² (continued)

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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<i>If Yes to both above – then Testing Status – ‘No Further Testing Needed’ mark ‘NA’ below and complete Conclusions section</i>	
If No to either above , were all results obtained under 4.0-pCi/L and were there sufficient valid measurements obtained? ^{1,2} <i>If Yes – then Testing Status - ‘No Further Testing Needed’ complete Conclusion section</i> <i>If No, then Testing Status - ‘Follow-up Testing Required’ continue below</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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.

- **If ‘No Further Testing Needed’** complete conclusions section on first page.
- **If ‘Follow-up Testing Required’** – complete Follow-up Testing described below and the conclusion section on the first page for only the valid measurements/results obtained

Follow-Up Testing (if required)

Required if –

- 1- Not enough valid results were obtained from a facility (table above);
- 2- Any results ≥ 4.0 – pCi/L; and
- 3- At the discretion of MCPS IAQ Staff

Follow-up Testing:

- 1- If an insufficient number of valid measurements obtained during initial round:
 - return to facility to test locations that require valid measurements
- 2- Follow-up Testing for valid measurements ≥ 4.0-pCi/L

Initial Result(s)	Procedure	Follow-up Result	Conclusion
≥ 4.0-pCi/L	1- Short-term follow-up test 2- Average the results of the two tests	≥4.0	Mitigation Required
		<4.0 but >2.0	Consider Mitigation
		<2.0	Not Required or Considered

- **Complete second School/Facility Radon Testing Report Form for only Follow-up Testing locations.**

Attachment 1:
Summary Data Tables

Table 1- Radon Testing Results		
Cabin Branch Elementary School		
Test Period: 01/29/2024 - 02/01/2024		
Kit Number	Room / Area	Result
11284379	100	< 0.3
11284347	102	< 0.3
11284390	103	< 0.3
11284373	105	< 0.3
11284353	107	< 0.3
11284359	107	< 0.3
11284380	111	< 0.3
11284384	115	< 0.3
11284360	120	< 0.3
11284387	121	< 0.3
11284361	122	< 0.3
11284385	122	< 0.3
11284389	123	< 0.3
11284400	124	< 0.3
11284383	126	< 0.3
11284362	128	< 0.3
11284341	130	< 0.3
11284372	131	< 0.3
11284375	133	< 0.3
11284354	135	< 0.3
11284377	135	< 0.3
11284388	136	< 0.3
11284376	137	< 0.3
11284397	140	< 0.3
11284358	141	< 0.3
11284366	142	< 0.3
11284365	143	< 0.3
11284395	143	0.5
11284391	144	< 0.3
11284368	146	< 0.3
11284386	148	< 0.3
11284348	150	< 0.3
11284352	160	< 0.3
11284340	161	< 0.3
11284357	161	< 0.3
11284344	163	0.5
11463442	164	< 0.3
11284334	216	< 0.3

Table 1- Radon Testing Results		
Cabin Branch Elementary School		
Test Period: 01/29/2024 - 02/01/2024		
Kit Number	Room / Area	Result
11284396	216	< 0.3
11284393	221	< 0.3
11284343	244	< 0.3
11284378	252	< 0.3
11463434	100B	< 0.3
11284394	100C	< 0.3
11284399	100D	< 0.3
11284355	100E	< 0.3
11284350	100J	< 0.3
11284367	102B	< 0.3
11284370	102B	< 0.3
11284369	102C	42.5
11284351	107A	< 0.3
11463441	165A	< 0.3
11463432	APR	< 0.3
11463907	APR	< 0.3
11463465	BS OFFICE	< 0.3
11284371	GYM	< 0.3
11284374	GYM	< 0.3
11463433	KITCHEN OFFICE	< 0.3
11463443	STAFF LOUNGE	< 0.3
11463931	STAGE	< 0.3
11478189	120	< 0.3
11478094	135	< 0.3
11477900	143	< 0.3

Table 3 - QC Radon Testing Results			
Cabin Branch Elementary School			
Test Period: 01/29/2024 - 02/01/2024			
Kit Number	QC Type	Room / Area	Result
11284361	FB	122	<0.3
11284395	FB	143	0.5
11284357	D	161	<0.3
11284334	FB	216	<0.3
11284370	D	102B	<0.3
11478189	D	120	< 0.3
11478094	D	135	< 0.3
11477900	D	143	< 0.3

Attachment 2:
Laboratory Reports

Radon test result report for:

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11284379	100	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11463434	100B	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284394	100C	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284399	100D	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284355	100E	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284350	100J	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284347	102	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284367	102B	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284370	102B	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284369	102C	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	42.5 ± 3.4	2024-02-05
11284390	103	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284373	105	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284353	107	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284359	107	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284351	107A	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284380	111	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284384	115	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284360	120	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284387	121	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284361	122	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284385	122	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284389	123	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284400	124	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284383	126	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284362	128	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284341	130	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284372	131	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284375	133	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284377	135	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284354	135	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284388	136	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284376	137	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284397	140	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284358	141	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284366	142	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284365	143	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284395	143	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	0.5 ± 0.3	2024-02-05

Radon test result report for:

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11284391	144	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284368	146	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284386	148	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284348	150	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284352	160	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284357	161	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284340	161	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284344	163	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	0.5 ± 0.3	2024-02-05
11463442	164	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11463441	165A	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284396	216	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284334	216	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284393	221	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284343	244	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284378	252	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11463907	APR	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11463432	APR	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11463465	BS OFFICE	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284374	GYM	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11284371	GYM	2024-01-29 @ 9:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11463433	KITCHEN OFFICE	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11463443	STAFF LOUNGE	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05
11463931	STAGE	2024-01-29 @ 8:00 am	2024-02-01 @ 9:00 am	< 0.3	2024-02-05

March 4, 2024

**** LABORATORY ANALYSIS REPORT ****

Radon test result report for:

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11478189	120	2024-02-26 @ 9:00 am	2024-02-29 @ 8:00 am	< 0.3	2024-03-04
11478094	135	2024-02-26 @ 9:00 am	2024-02-29 @ 8:00 am	< 0.3	2024-03-04
11477900	143	2024-02-26 @ 9:00 am	2024-02-29 @ 8:00 am	< 0.3	2024-03-04

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

February 7, 2024

**** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
OFFICE BLANK
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11285577	OB	2024-01-29 @ 10:00 am	2024-02-01 @ 11:00 am	< 0.3	2024-02-05

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

February 7, 2024

**** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
TRAVEL BLANK
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11633585	TB	2024-01-29 @ 10:00 am	2024-02-01 @ 11:00 am	< 0.3	2024-02-05

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

March 5, 2024

**** LABORATORY ANALYSIS REPORT ****

Radon test result report for:

**KCI
MAIN**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11284001	OB	2024-02-26 @ 8:00 am	2024-02-29 @ 1:00 pm	< 0.3	2024-03-04
11482791	TB	2024-02-26 @ 8:00 am	2024-02-29 @ 1:00 pm	< 0.3	2024-03-04

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 213327

NOMINAL Conditions: Radon Conc 49.5 pCi/L Rel. Hum 24.7 % Temp. 69.8 F

Date Start: 1/19/24 Date Stop: 1/22/24 Date Start: _____ Date Stop: _____

Time Start: 0831 Time Stop: 0831 Time Start: _____ Time Stop: _____

Device No.'s: (6) CHAR BAGS - Device No.'s: _____

11284003, 11284005, 11284006

11284007, 11284008, 11284013

F3 Left

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**

January 29, 2024

**** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
**BOWSER MORNER
MAIN**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11284003	SK	2024-01-19 @ 9:00 am	2024-01-22 @ 9:00 am	47.0 ± 3.8	2024-01-29
11284005	SK	2024-01-19 @ 9:00 am	2024-01-22 @ 9:00 am	43.4 ± 3.5	2024-01-29
11284006	SK	2024-01-19 @ 9:00 am	2024-01-22 @ 9:00 am	42.1 ± 3.4	2024-01-29
11284007	SK	2024-01-19 @ 9:00 am	2024-01-22 @ 9:00 am	46.4 ± 3.7	2024-01-29
11284008	SK	2024-01-19 @ 9:00 am	2024-01-22 @ 9:00 am	46.2 ± 3.7	2024-01-29
11284013	SK	2024-01-19 @ 9:00 am	2024-01-22 @ 9:00 am	45.6 ± 3.6	2024-01-29

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 213819

NOMINAL Conditions: Radon Conc 50.0 pCi/L Rel. Hum 28.9 % Temp. 69.1 F

Date Start: 2/23/24 Date Stop: 2/26/24 Date Start: _____ Date Stop: _____

Time Start: 0812 Time Stop: 0812 Time Start: _____ Time Stop: _____

Device No.'s: (6) CHAR BAGS Device No.'s: _____

11478400, 11477842, 11477845, _____

11477852, 11477996, 11477999 _____

E3 left

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 1, 2024

**** LABORATORY ANALYSIS REPORT ****

Radon test result report for:

FEB SK

MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11477842	NA	2024-02-23 @ 8:00 am	2024-02-26 @ 8:00 am	50.3 ± 4.0	2024-03-01
11477845	NA	2024-02-23 @ 8:00 am	2024-02-26 @ 8:00 am	55.3 ± 4.4	2024-03-01
11477852	NA	2024-02-23 @ 8:00 am	2024-02-26 @ 8:00 am	49.4 ± 4.0	2024-03-01
11477996	NA	2024-02-23 @ 8:00 am	2024-02-26 @ 8:00 am	49.8 ± 4.0	2024-03-01
11477999	NA	2024-02-23 @ 8:00 am	2024-02-26 @ 8:00 am	55.4 ± 4.4	2024-03-01
11478400	NA	2024-02-23 @ 8:00 am	2024-02-26 @ 8:00 am	47.0 ± 3.8	2024-03-01

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 – Testing January 29th – February 1st 2024

Name of Schools:

1. John F. Kennedy HS
2. Francis Scott Key MS
3. Montgomery Village MS
4. Oak View ES
5. North Chevy Chase ES
6. Cabin Branch ES

	Date	Initials
Radon Test Kits Deployed	01/29/2024	OM
Radon Test Kits Collected	02/01/2024	JW
Radon Test Kits Shipped to Lab*	02/01/2024	OM
Radon Test Kits Received by Lab*	02/05/2024	OM

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



Radon Test Kit Chain of Custody

Project Name: MCPS Radon – Testing February 26th & February 29th 2024

Name of Schools:

- 1. Blair G. Ewing Center
- 2. Radnor Center
- 3. Rosa M. Parks MS
- 4. Cabin Branch ES
- 5. Westbrook ES
- 6. Clopper Mill ES

	Date	Initials
Radon Test Kits Deployed	02/26/2024	GM
Radon Test Kits Collected	02/29/2024	GM
Radon Test Kits Shipped to Lab*	02/29/2024	GM
Radon Test Kits Received by Lab*	01/30/2024	GM

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

Attachment 3:
Sampling Location Map