School / Facility Radon Testing Report Form

School Year: **24-25**

Facility:	Cabin John Middle School
Address:	10701 Gainsborough Road
	Potomac, MD 20854
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 ☒ Consider (≥2.0 & <4.0-pCi/L) ☐ 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	80	Lowest Value (pCi/L)	< 0.3
Number of Rooms (≥4.0-pCi/L)	0	Highest Value (pCi/L)	2.9

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
Shannon King	KCI Technologies, Inc.
Brittany Maas	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):	01/13/25 01/17/25	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]	76	2	3	0	81
Duplicates[2]	8	1	1	0	10
Field Blanks[3]	4	1	0	0	5
				Grand Total	96

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

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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:	76	1	3	0	80
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:	1	0	0	0	1
Number of locations ≥2.0 and <2.7-pCi/L:	1	0	0	0	1
Number of missing required test locations[3]:	0	0	0	0	0
Number of failed duplicate control locations:	1	1	0	0	2
Percentage of missing test locations for the facility[4,5]:	0	0	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 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		
Cabin John Middle School		
Test Period: 1/13/2025 - 1/17/2025		
Kit Number	Room / Area	Result
11906606	1002	< 0.3
11906605	1004	< 0.3
11906612	1102	< 0.3
11906607	1103	< 0.3
11906614	1104	< 0.3
11906619	1104	< 0.3
11906611	1107	< 0.3
11906621	1108	< 0.3
11906613	1109	< 0.3
11906635	1110	< 0.3
11906620	1113	< 0.3
11906622	1115	< 0.3
11906627	1119	< 0.3
11906628	1121	< 0.3
11906608	1124	< 0.3
11906629	1125	< 0.3
11906615	1126	< 0.3
11906630	1127	< 0.3
11906601	1131	< 0.3
11906610	1131	< 0.3
11906618	1131	< 0.3
11906636	1141	0.6
11906602	1201	0.6
11906651	1207	1.4
11906609	1208	< 0.3
11906617	1210	< 0.3
11906644	1213	0.6
11906645	1213	< 0.3
11906646	1213	< 0.3
11906643	1215	0.7
11906634	1216	< 0.3
11906632	1219	0.9
11906638	1221	< 0.3
11906633	1225	1.9
11906631	1227	1.2
11906624	1231	2.2
11906625	1232	0.8

Table 1- Radon Testing Results		
Cabin John Middle School		
Test Period: 1/13/2025 - 1/17/2025		
Kit Number	Room / Area	Result
11906626	1232	< 0.3
11906623	1233	0.6
11906637	1237	1.2
11906647	1300	< 0.3
11906667	1301	< 0.3
11906642	1304	< 0.3
11906660	1305	< 0.3
11906659	1307	< 0.3
11906641	1319	< 0.3
11906639	1323	< 0.3
11906640	1323	< 0.3
11906654	1327	< 0.3
11906616	1331	< 0.3
11906658	1400	< 0.3
11906676	1400	< 0.3
11906668	1409	< 0.3
11906655	1411	< 0.3
11906656	1411	< 0.3
11906657	1411	< 0.3
11906670	1414	< 0.3
11906649	1415	< 0.3
11906675	1416	0.5
11906663	2109	< 0.3
11906664	2109	< 0.3
11906648	2201	< 0.3
11906677	2219	< 0.3
11906983	1000A	0.7
11906982	1000B	1.3
11906978	1000C	0.6
11906984	1000D	2.9
11906989	1000F	< 0.3
11906990	1000G	1.6
11906985	1000H	1.0
11906987	1000J	1.4
11906986	1000K	0.7
11906988	1000K	1.0
11906991	1000N	< 0.3

Table 1- Radon Testing Results		
Cabin John Middle School		
Test Period: 1/13/2025 - 1/17/2025		
Kit Number	Room / Area	Result
11906992	1000O	0.6
11906993	1000Q	1.5
11906995	1000R	1.0
11906997	1000S	0.6
11906998	1000T	< 0.3
11906994	1000V	< 0.3
11906604	1006D	0.9
11906603	1006e	< 0.3
11906999	1006E	< 0.3
11907000	1006E	< 0.3
11906652	1320 MEDIA	< 0.3
11906650	1320 OFFICE	< 0.3
11906653	1320 WORK ROOM	< 0.3
11906662	BLR	< 0.3
11906661	GLR	< 0.3
11906996	HEALTH ROOM	< 0.3
11906980	MAIN OFFICE	0.5
11906669	STAGE	< 0.3

Table 2 - Summary Testing Results ≥2.0 pCi/L							
Cabin John Middle School							
Test Period: 1/13/2025 - 1/17/2025							
≥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
1231	2.2	1000D	2.9	N/A	N/A	N/A	N/A

Table 3 - QC Radon Testing Results			
Cabin John Middle School			
Test Period: 1/13/2025 - 1/17/2025			
Kit Number	**QC Type**	**Room / Area**	**Result**
11906614	D	1104	< 0.3
11906610	D	1131	< 0.3
11906618	FB	1131	< 0.3
11906645	D	1213	< 0.3
11906646	FB	1213	< 0.3
11906626	D	1232	< 0.3
11906640	D	1323	< 0.3
11906656	D	1411	< 0.3
11906657	FB	1411	< 0.3
11906664	D	2109	< 0.3
11906988	D	1000K	1.0
11907000	D	1006E	< 0.3
11906603	FB	1006E	< 0.3
11906876	OB	OFFICE BLANK	< 0.3
11906878	TB	TRAVEL BLANK	< 0.3

Table 3a - Duplicate Worksheet / Data Validation										
Cabin John Middle School										
Test Period: 1/13/2025 - 1/17/2025										
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
11906986	11906988	1000K	1.0	0.7	✓	1.4	PASS	0.9	<1-pCi/L	✓
11906999	11907000	1006E	0.3	0.3	✓	0.6	PASS	0.3	<1-pCi/L	✓
11906619	11906614	1104	0.3	0.3	✓	0.6	PASS	0.3	<1-pCi/L	✓
11906601	11906610	1131	0.3	0.3	✓	0.6	PASS	0.3	<1-pCi/L	✓
11906625	11906626	1232	0.8	0.3	✓	0.6	FAIL	0.6	<1-pCi/L	✗
11906644	11906645	1213	0.6	0.3	✓	0.6	PASS	0.5	<1-pCi/L	✓
11906639	11906640	1323	0.3	0.3	✓	0.6	PASS	0.3	<1-pCi/L	✓
11906655	11906656	1411	0.3	0.3	✓	0.6	PASS	0.3	<1-pCi/L	✓
11906663	11906664	2109	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		
Cabin John Middle School		
Test Period: 1/13/25 - 1/17/25		
Kit Number	**Room/Area**	**Reason**
N/A	N/A	N/A

Table 1- Radon Testing Results		
Cabin John Middle School RT		
Test Period: 3/24/2025 - 3/27/2025		
Kit Number	Room / Area	Result
11886577	1232	0.5
11886578	1232	0.9
11886581	1232	< 0.3
11886582	1232	< 0.3

Table 2 - Summary Testing Results ≥2.0 pCi/L							
Cabin John Middle 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			
Cabin John Middle School RT			
Test Period: 3/24/2025 - 3/27/2025			
Kit Number	**QC Type**	**Room / Area**	**Result**
11886581	D	1232	< 0.3
11886582	FB	1232	< 0.3
11886664	OB	OFFICE BLANK	< 0.3
11886691	TB	TRAVEL BLANK	< 0.3

Table 3a - Duplicate Worksheet / Data Validation										
Cabin John Middle 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
11886581	11886577 11886578	1232	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		
Cabin John Middle 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

January 20, 2025

** LABORATORY ANALYSIS REPORT **

Radon test result report for:

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11906983	1000A	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	0.7 ± 0.3	2025-01-20
11906982	1000B	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	1.3 ± 0.3	2025-01-20
11906978	1000C	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	0.6 ± 0.3	2025-01-20
11906984	1000D	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	2.9 ± 0.4	2025-01-20
11906989	1000F	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906990	1000G	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	1.6 ± 0.3	2025-01-20
11906985	1000H	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	1.0 ± 0.3	2025-01-20
11906987	1000J	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	1.4 ± 0.3	2025-01-20
11906986	1000K	2025-01-14 @ 12:00 pm	2025-01-17 @ 10:00 am	0.7 ± 0.3	2025-01-20
11906988	1000K DUP	2025-01-14 @ 12:00 pm	2025-01-17 @ 10:00 am	1.0 ± 0.3	2025-01-20
11906991	1000N	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906992	1000O	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	0.6 ± 0.3	2025-01-20
11906993	1000Q	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	1.5 ± 0.3	2025-01-20
11906995	1000R	2025-01-14 @ 12:00 pm	2025-01-17 @ 10:00 am	1.0 ± 0.3	2025-01-20
11906997	1000S	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	0.6 ± 0.3	2025-01-20
11906998	1000T	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906994	1000V	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906606	1002	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906605	1004	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906604	1006D	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	0.9 ± 0.3	2025-01-20
11906999	1006E	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11907000	1006E DUP	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906612	1102	2025-01-14 @ 12:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906607	1103	2025-01-14 @ 12:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906619	1104	2025-01-14 @ 12:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906614	1104 DUP	2025-01-14 @ 12:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906611	1107	2025-01-14 @ 12:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906621	1108	2025-01-14 @ 12:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906613	1109	2025-01-14 @ 12:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906635	1110	2025-01-14 @ 12:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906620	1113	2025-01-14 @ 12:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906622	1115	2025-01-14 @ 12:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906627	1119	2025-01-14 @ 12:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906628	1121	2025-01-14 @ 12:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906608	1124	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906629	1125	2025-01-14 @ 12:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906615	1126	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20

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

January 20, 2025

** LABORATORY ANALYSIS REPORT **

Radon test result report for:

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11906630	1127	2025-01-14 @ 12:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906601	1131	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906610	1131 DUP	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906636	1141	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	0.6 ± 0.3	2025-01-20
11906602	1201	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	0.6 ± 0.3	2025-01-20
11906651	1207	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	1.4 ± 0.3	2025-01-20
11906609	1208	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906617	1210	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906644	1213	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	0.6 ± 0.3	2025-01-20
11906645	1213 DUP	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906643	1215	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	0.7 ± 0.3	2025-01-20
11906634	1216	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906632	1219	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	0.9 ± 0.3	2025-01-20
11906638	1221	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906633	1225	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	1.9 ± 0.3	2025-01-20
11906631	1227	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	1.2 ± 0.3	2025-01-20
11906624	1231	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	2.2 ± 0.3	2025-01-20
11906626	1232 DUP	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906623	1233	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	0.6 ± 0.3	2025-01-20
11906637	1237	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	1.2 ± 0.3	2025-01-20
11906625	123Q	2025-01-14 @ 1:00 pm	2025-01-17 @ 10:00 am	0.8 ± 0.3	2025-01-20
11906647	1300	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906667	1301	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906642	1304	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906660	1305	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906659	1307	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906641	1319	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906652	1320 MEDIA	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906650	1320 OFFICE	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906653	1320 WORK ROOM	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906639	1323	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906640	1323 DUP	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906654	1327	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906616	1331	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906676	1400	2025-01-14 @ 2:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906658	1400	2025-01-14 @ 2:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906668	1409	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20

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January 20, 2025

** LABORATORY ANALYSIS REPORT **

Radon test result report for:

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11906655	1411	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906656	1411 DUP	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906670	1414	2025-01-14 @ 2:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906649	1415	2025-01-14 @ 2:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906675	1416	2025-01-14 @ 2:00 pm	2025-01-17 @ 9:00 am	0.5 ± 0.3	2025-01-20
11906663	2109	2025-01-14 @ 2:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906664	2109 DUP	2025-01-14 @ 2:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906648	2201	2025-01-14 @ 2:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906677	2219	2025-01-14 @ 2:00 pm	2025-01-17 @ 10:00 am	< 0.3	2025-01-20
11906662	BLR	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906603	FIELD BLANK	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906657	FIELD BLANK	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906646	FIELD BLANK	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906618	FIELD BLANK	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906661	GLR	2025-01-14 @ 1:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906996	HEALTH ROOM	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20
11906980	MAIN OFFICE	2025-01-14 @ 12:00 pm	2025-01-17 @ 9:00 am	0.5 ± 0.3	2025-01-20
11906669	STAGE	2025-01-14 @ 2:00 pm	2025-01-17 @ 9:00 am	< 0.3	2025-01-20

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January 20, 2025 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
OFFICE
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11906876	O	2025-01-14 @ 11:00 am	2025-01-17 @ 11:00 am	< 0.3	2025-01-20
11906877	O	2025-01-13 @ 11:00 am	2025-01-16 @ 11:00 am	< 0.3	2025-01-20

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January 20, 2025 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
TRAVEL
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11903993	T	2025-01-13 @ 11:00 am	2025-01-16 @ 11:00 am	< 0.3	2025-01-20
11906878	T	2025-01-14 @ 11:00 am	2025-01-17 @ 11:00 am	< 0.3	2025-01-20

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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

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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 January 14th – January 17th, 2024

Name of Schools:

1. Bethesda Chevy Chase HS
2. Bethesda Maintenance Facility
3. Beverly Farms ES
4. Bradley Hills ES
5. Brookhaven ES
6. Burning Tree ES
7. Cabin John MS

	Date	Initials
Radon Test Kits Deployed	01/14/2025	
Radon Test Kits Collected	01/17/2025	
Radon Test Kits Shipped to Lab*	01/17/2025	
Radon Test Kits Received by Lab*	01/21/2025	

*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:
CABIN JOHN MS
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11886577	1232	2025-03-24 @ 12:00 pm	2025-03-27 @ 10:00 am	0.5 ± 0.5	2025-04-02
11886578	1232	2025-03-24 @ 12:00 pm	2025-03-27 @ 10:00 am	0.9 ± 0.5	2025-04-02
11886581	1232	2025-03-24 @ 12:00 pm	2025-03-27 @ 10:00 am	< 0.3	2025-04-02
11886582	1232	2025-03-24 @ 12:00 pm	2025-03-27 @ 10:00 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:
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

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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

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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

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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

Attachment 3:

Sampling Location Map

ADMINISTRATIVE TEAM

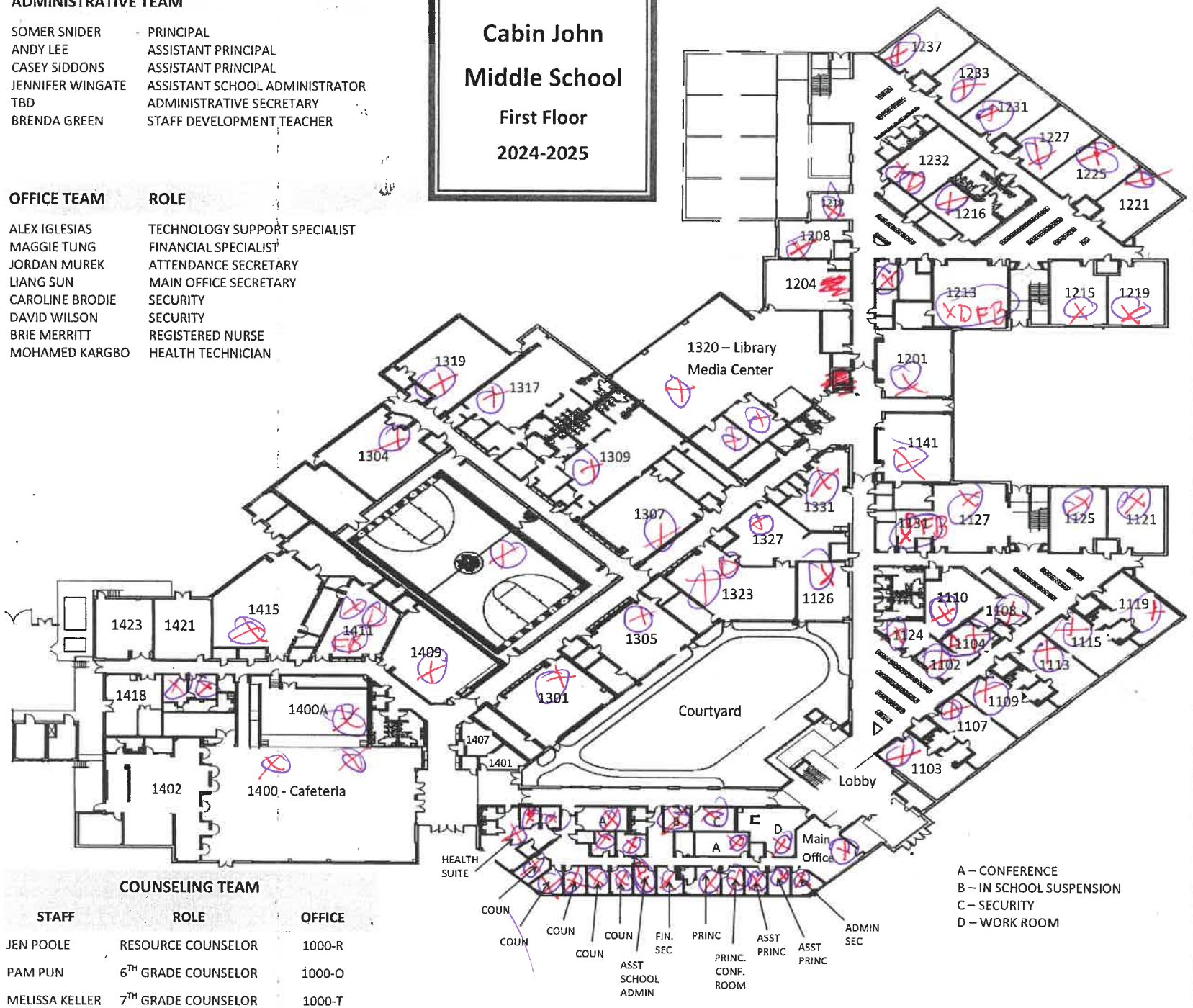
SOMER SNIDER	PRINCIPAL
ANDY LEE	ASSISTANT PRINCIPAL
CASEY SIDDONS	ASSISTANT PRINCIPAL
JENNIFER WINGATE	ASSISTANT SCHOOL ADMINISTRATOR
TBD	ADMINISTRATIVE SECRETARY
BRENDA GREEN	STAFF DEVELOPMENT TEACHER

Cabin John Middle School

First Floor

2024-2025

OFFICE TEAM	ROLE
ALEX IGLESIAS	TECHNOLOGY SUPPORT SPECIALIST
MAGGIE TUNG	FINANCIAL SPECIALIST
JORDAN MUREK	ATTENDANCE SECRETARY
LIANG SUN	MAIN OFFICE SECRETARY
CAROLINE BRODIE	SECURITY
DAVID WILSON	SECURITY
BRIE MERRITT	REGISTERED NURSE
MOHAMED KARGBO	HEALTH TECHNICIAN



A – CONFERENCE
B – IN SCHOOL SUSPENSION
C – SECURITY
D – WORK ROOM

COUNSELING TEAM

STAFF	ROLE	OFFICE
JEN POOLE	RESOURCE COUNSELOR	1000-R
PAM PUN	6TH GRADE COUNSELOR	1000-O
MELISSA KELLER	7TH GRADE COUNSELOR	1000-T
JOE THOMPSON	8TH GRADE COUNSELOR	1000-Q
TAMARA HARDY	REGISTRAR	1000-S

Rev. 8.20.24

Room #	Staff Members
GYM/1301	GENTZEL (RT)
GYM/1301	BLUMENTHAL
GYM/1301	COPELAND
GYM/1301	FRITZ
GYM/1301	GRIER
GYM/1301	TEJO
GYM/1301	ABDINOOR
1320	BOWMAN / LIN
1102	ASC ROOM
1103	SCHWAIGER
1104 (OF)	BERMAN/FORD/MARTINI/ TANCK/ALONWU
1107	WELL-BEING ROOM
1108 (OF)	HERRING (RTSE)
1109 (OF)	BORM/COWEN/WARFIELD (OT/OT/PT)
1110	D'SOUZA (ELD)
1113	MAINES
1115	RODRIGO
1119	SANES
1121	ALVARADO
1124	KESEL/YIMESGEN
1125	BONIG
1127	BARAHONA
1126	ADAPTIVE GYM
1131	CAREER ADVISOR
1141	KUMAR
1201	ROGERS
1207	IGLESIAS (ITSS)
1208	FINNEGAN
1210	GREEN (STAFF DEVELOPMENT)
1213	MOORE, B
1214 (OF)	GRAY
1215	MOORE, M
1216	GRADE 8 TEAM ROOM
1219	CONRAD
1221	GOTTESMAN
1225	ELBOUBKRI
1227	UNGER
1231	DOWELL
1232	CHANDIWANA
1233	KIM
1234 (OF)	ADMIN 8TH GRADE OFFICE
1237	LIN
1305	D'AGNESE
1320	BOWMAN/LIN
1327	POZONSKY
1331	STAFF LOUNGE
1407 (OF)	TESTING OFFICE
1409	NAM
1411	BUSCH
1415	CAMMARATA

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MCPS RADON TESTING - EXECUTIVE SUMMARY

Site Name	Cabin John Middle School
Date of Report	2/3/2020
Round of Testing	Initial Follow-up Post Remediation 2 year testing **5 year testing** HVAC Upgrade Window Replacement New Addition New Facility
# of Rooms Tested	94
# Rooms ≥4.0 pCi/L	0
Lowest Value	<0.3 pCi/L
Highest Value	2.0 pCi/L

Project Status

Current Project Status at this time: Testing Complete; no further action.

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2/3/2020

Mr. Richard Cox, MS
Environmental Team Leader
Montgomery County Public Schools
Division of Maintenance
Gaithersburg, Maryland 20879

Re: Radon Testing Services

KCI Job #12146341126

Location: Cabin John Middle School
10701 Gainsborough Road
Potomac, Maryland 20854

Dear Mr. Cox:

KCI Technologies, Inc. (KCI) is pleased to submit the following report to Montgomery County Public Schools pursuant to completing a "short-term" 3-day radon test for the Cabin John Middle School, located at 10701 Gainsborough Road in Potomac, Maryland 20854 (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 Provider (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/departments/facilities/maintenance/default.aspx?id=458858 or www.epa.gov/radon.

KCI visited the site on 12/17/2019 and deployed one-hundred fourteen (114) activated charcoal (AC) radon test kits. KCI deployed radon test kits in 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 Appendix A of this report.

As a quality control measure, KCI included duplicate samples, field blanks, lab transit blanks, and office blanks in accordance with AARST recommendations. In addition, KCI submitted sixty (60) test kits to Bowser-Morner, Inc. as spike samples. The spiked tests were exposed to a known radon concentration by Bowser-Morner, Inc. prior to being returned to the laboratory for analysis.

KCI returned to the site on 12/20/2019 to retrieve the radon sampling test kits. KCI shipped all radon tests via overnight delivery to Aircheck, Inc. for analysis by gamma-ray spectroscopy. Aircheck, Inc. is a National Radon Safety Board (NRSB) radon measurement provider and is a certified analytical laboratory for radon analysis (certification #ARL1402) located at 1936 Butler Bridge Road, Mills River, North Carolina.

EVALUATION OF TESTING CONDITIONS

These tests represent:

- Follow-up to initial testing.

These tests were conducted to:

- Evaluate radon concentrations at the facility.

According to AARST, *Protocol for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings*, ideal testing conditions would be when the building is fully occupied and the heating system is active. For this test, the facility's HVAC system was operating in heating mode; therefore, KCI concludes that this test was conducted during ideal testing conditions.

KCI recorded observations of the following conditions in each room at 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 lower-20s and high temperatures were in the lower-40s. Maximum sustained winds ranged from 12-26 miles per hour. Average humidity was around 67%. 0.54 inches of precipitation (rain and snow) was recorded during the testing period.

RESULTS

The sampling locations and analytical results are listed on Table 1 (Attachment B). The quality control sample locations and analytical results are listed on Table 2 (Attachment B). Sampling locations and associated test kit identification numbers and relevant field observations are listed on Table 3 (Attachment B). The laboratory analytical results are included in Attachment C. Laboratory results and exposure data for the spike samples are also included in Attachment C.

The results of the radon test analysis indicated the following:

Radon Concentration	Room	Result
≥4.0 piC/L	None	N/A
≤4.0 piC/L	See Attachment B	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 410-316-7800.

Sincerely,

Mr. Tyler P. McCleaf
Radon Measurement Provider
111004 RT

KCI Technologies, Inc.

Attachments:

A- Floor Plan with Test Locations

B - Tables 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 Chek, Inc.

D- Duplicate

FB- Field Blank

KCI- KCI Technologies, Inc.

OB- Office Blank

PM- Project Manager

QC- Quality Control

Table 1- Radon Testing Results		
Cabin John Middle School		
Test Period: 12/17/2019-12/20/2019		
Kit Number	Room / Area	Result
9334491	1221	0.9
9334495	1227	1.1
9334496	1215	1.6
9334497	1219	0.9
9334498	1141	< 0.3
9334499	1213	< 0.3
9334500	1207	< 0.3
9340663	1237	0.7
9340664	1237	< 0.3
9340681	1000J	1.3
9340682	1109	< 0.3
9340687	1006	0.5
9340688	1409	< 0.3
9340689	1409	< 0.3
9340690	1415	0.7
9340694	1415	< 0.3
9341001	1323A	0.7
9341002	1104	0.8
9341003	1204	< 0.3
9341004	1126	< 0.3
9341005	1210	< 0.3
9341006	2107	< 0.3
9341007	1213	0.6
9341008	1231	1.5
9341009	1102	0.6
9341010	1109	0.7
9341011	2201	< 0.3
9341012	2115	0.5
9341013	1231	1.7
9341014	1233	< 0.3
9341015	1207	0.6
9341016	1216	< 0.3
9341017	1232	0.9
9341018	1234	0.6
9341019	1109	1.2
9341020	1127	< 0.3
9341021	2127	0.7
9341022	1225	2
9341023	1131	0.5
9341024	1320	0.9
9341025	1110	0.9
9341026	1237	0.8
9341027	1411A	0.6
9341028	1305B	< 0.3
9341029	1305	< 0.3
9341030	1301	< 0.3
9341031	1331	< 0.3
9341032	1331	< 0.3
9341033	1204A	< 0.3
9341034	1201A	1.6

9341035	1313	< 0.3
9341036	1304	< 0.3
9341037	1319	0.7
9341038	1313A	< 0.3
9341039	1000C	< 0.3
9341041	1103	0.9
9341042	1201	< 0.3
9341043	1310	0.6
9341044	1331	< 0.3
9341045	1315	< 0.3
9341046	1104A	< 0.3
9341047	1208	0.8
9341048	1320	< 0.3
9341049	1107	0.8
9341050	1327	< 0.3
9341051	1415	0.7
9341052	1416A	0.6
9341053	1000W	0.6
9341054	1141	0.7
9341055	1127A	0.7
9341056	1113	0.6
9341057	1411	< 0.3
9341058	1108	< 0.3
9341059	1320B	< 0.3
9341060	1320A	< 0.3
9341061	1400A	< 0.3
9341062	1402B	1.1
9341063	1402C	< 0.3
9341065	1115	0.8
9341066	1119	< 0.3
9341067	1121	0.9
9341068	1125	0.9
9341069	1416	0.7
9341070	1400	< 0.3
9341071	1300	0.6
9341072	1415A	0.7
9341073	1127	< 0.3
9341074	1006E	0.6
9341075	1000Q	0.6
9341076	1006D	0.7
9341077	1006	< 0.3
9341078	1000V	0.9
9341079	1000T	0.7
9341080	1300	0.5
9341081	1307	0.8
9341082	1323	0.6
9341083	1000R	1
9341084	1000S	1.3
9341085	1414	< 0.3
9341086	1401	0.6
9341087	1409	< 0.3
9341088	1411B	< 0.3
9341089	1000O	0.8
9341090	1000N	< 0.3
9341091	1000J	1.2

9341092	1000G	1.2
9341093	1000D	1.4
9341094	1000C	< 0.3
9341095	1000B	0.9
9341096	1000A	0.7
9341097	1000H	1.4
9341098	MAIN OFFICE	0.8
9341099	1000K	0.7
9341100	1000F	0.8
9341040	DUPLICATE	< 0.3
9341371	OFFICE BLANK	< 0.3

Table 2- Radon Testing Results			
Cabin John Middle School			
Test Period: 12/16/2019-12/19/2019			
Kit Number	QC Type	Room / Area	Result
9341040	D	2201	<0.3
9341039	D	1000C	<0.3
9341032	D	1331	<0.3
9341031	FB	1331	<0.3
9334498	D	1141	<0.3
9334500	D	1207	<0.3
9340663	D	1237	0.7
9340664	FB	1237	<0.3
9341008	D	1231	1.5
9341007	D	1213	0.6
9341020	D	1127	<0.3
9341019	D	1109	1.2
9340682	FB	1109	<0.3
9340681	D	1000J	1.3
9340687	D	1006	0.5
9340690	FB	1415	0.7
9340694	FB	1415	<0.3
9341377	TRANSIT BLANK	NA	0.5
9341379	TRANSIT BLANK	NA	< 0.3
9341380	TRANSIT BLANK	NA	< 0.3
9341398	TRANSIT BLANK	NA	< 0.3

Summary of Missed Locations		
Cabin John Middle School		
Test Period: 12/17/2019 - 12/20/2019		
Kit Number	Room/Area	Result
	NA	

Summary of Missing, Compromised and >/= 4 piC/L Tests		
Cabin John Middle School		
Test Period: 12/17/2019-12/20/2019		
Kit Number	Room/Area	Result
	NA	

Table Note:

* Missing or Compromised Sample

ATTACHMENT C

Laboratory Analytical Results

December 24, 2019 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9341096	1000A	2019-12-17 @ 12:00 pm	2019-12-20 @ 9:00 am	0.7 ± 0.3	2019-12-24
9341095	1000B	2019-12-17 @ 12:00 pm	2019-12-20 @ 9:00 am	0.9 ± 0.4	2019-12-24
9341039	1000C	2019-12-17 @ 3:00 pm	2019-12-20 @ 9:00 am	< 0.3	2019-12-24
9341094	1000C	2019-12-17 @ 12:00 pm	2019-12-20 @ 9:00 am	< 0.3	2019-12-24
9341093	1000D	2019-12-17 @ 12:00 pm	2019-12-20 @ 9:00 am	1.4 ± 0.4	2019-12-24
9341100	1000F	2019-12-17 @ 12:00 pm	2019-12-20 @ 9:00 am	0.8 ± 0.4	2019-12-24
9341092	1000G	2019-12-17 @ 12:00 pm	2019-12-20 @ 9:00 am	1.2 ± 0.4	2019-12-24
9341097	1000H	2019-12-17 @ 12:00 pm	2019-12-20 @ 9:00 am	1.4 ± 0.4	2019-12-24
9341091	1000J	2019-12-17 @ 12:00 pm	2019-12-20 @ 9:00 am	1.2 ± 0.4	2019-12-24
9340681	1000J	2019-12-17 @ 3:00 pm	2019-12-20 @ 9:00 am	1.3 ± 0.4	2019-12-24
9341099	1000K	2019-12-17 @ 12:00 pm	2019-12-20 @ 9:00 am	0.7 ± 0.3	2019-12-24
9341090	1000N	2019-12-17 @ 12:00 pm	2019-12-20 @ 9:00 am	< 0.3	2019-12-24
9341089	1000O	2019-12-17 @ 12:00 pm	2019-12-20 @ 9:00 am	0.8 ± 0.3	2019-12-24
9341075	1000Q	2019-12-17 @ 12:00 pm	2019-12-20 @ 9:00 am	0.6 ± 0.4	2019-12-24
9341083	1000R	2019-12-17 @ 12:00 pm	2019-12-20 @ 9:00 am	1.0 ± 0.4	2019-12-24
9341084	1000S	2019-12-17 @ 12:00 pm	2019-12-20 @ 9:00 am	1.3 ± 0.4	2019-12-24
9341079	1000T	2019-12-17 @ 12:00 pm	2019-12-20 @ 9:00 am	0.7 ± 0.3	2019-12-24
9341078	1000V	2019-12-17 @ 12:00 pm	2019-12-20 @ 9:00 am	0.9 ± 0.4	2019-12-24
9341053	1000W	2019-12-17 @ 12:00 pm	2019-12-20 @ 9:00 am	0.6 ± 0.4	2019-12-24
9340687	1006	2019-12-17 @ 3:00 pm	2019-12-20 @ 10:00 am	0.5 ± 0.4	2019-12-24
9341077	1006	2019-12-17 @ 12:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341076	1006D	2019-12-17 @ 12:00 pm	2019-12-20 @ 9:00 am	0.7 ± 0.4	2019-12-24
9341074	1006E	2019-12-17 @ 12:00 pm	2019-12-20 @ 10:00 am	0.6 ± 0.3	2019-12-24
9341009	1102	2019-12-17 @ 2:00 pm	2019-12-20 @ 11:00 am	0.6 ± 0.4	2019-12-24
9341041	1103	2019-12-17 @ 2:00 pm	2019-12-20 @ 11:00 am	0.9 ± 0.4	2019-12-24
9341002	1104	2019-12-17 @ 2:00 pm	2019-12-20 @ 11:00 am	0.8 ± 0.4	2019-12-24
9341046	1104A	2019-12-17 @ 2:00 pm	2019-12-20 @ 11:00 am	< 0.3	2019-12-24
9341049	1107	2019-12-17 @ 2:00 pm	2019-12-20 @ 11:00 am	0.8 ± 0.4	2019-12-24
9341058	1108	2019-12-17 @ 1:00 pm	2019-12-20 @ 11:00 am	< 0.3	2019-12-24
9340682	1109	2019-12-17 @ 3:00 pm	2019-12-20 @ 11:00 am	< 0.3	2019-12-24
9341010	1109	2019-12-17 @ 2:00 pm	2019-12-20 @ 11:00 am	0.7 ± 0.4	2019-12-24
9341019	1109	2019-12-17 @ 3:00 pm	2019-12-20 @ 11:00 am	1.2 ± 0.4	2019-12-24
9341025	1110	2019-12-17 @ 1:00 pm	2019-12-20 @ 11:00 am	0.9 ± 0.4	2019-12-24
9341056	1113	2019-12-17 @ 2:00 pm	2019-12-20 @ 11:00 am	0.6 ± 0.3	2019-12-24
9341065	1115	2019-12-17 @ 1:00 pm	2019-12-20 @ 11:00 am	0.8 ± 0.3	2019-12-24
9341066	1119	2019-12-17 @ 1:00 pm	2019-12-20 @ 11:00 am	< 0.3	2019-12-24
9341067	1121	2019-12-17 @ 1:00 pm	2019-12-20 @ 11:00 am	0.9 ± 0.4	2019-12-24

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Radon test result report for:

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9341068	1125	2019-12-17 @ 1:00 pm	2019-12-20 @ 11:00 am	0.9 ± 0.4	2019-12-24
9341004	1126	2019-12-17 @ 2:00 pm	2019-12-20 @ 11:00 am	< 0.3	2019-12-24
9341073	1127	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341020	1127	2019-12-17 @ 3:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341055	1127A	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	0.7 ± 0.4	2019-12-24
9341023	1131	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	0.5 ± 0.4	2019-12-24
9341054	1141	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	0.7 ± 0.4	2019-12-24
9334498	1141	2019-12-17 @ 3:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341042	1201	2019-12-17 @ 2:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341034	1201A	2019-12-17 @ 2:00 pm	2019-12-20 @ 11:00 am	1.6 ± 0.4	2019-12-24
9341003	1204	2019-12-17 @ 2:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341033	1204A	2019-12-17 @ 2:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341015	1207	2019-12-17 @ 2:00 pm	2019-12-20 @ 10:00 am	0.6 ± 0.4	2019-12-24
9334500	1207	2019-12-17 @ 3:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341047	1208	2019-12-17 @ 2:00 pm	2019-12-20 @ 10:00 am	0.8 ± 0.4	2019-12-24
9341005	1210	2019-12-17 @ 2:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341007	1213	2019-12-17 @ 3:00 pm	2019-12-20 @ 10:00 am	0.6 ± 0.4	2019-12-24
9334499	1213	2019-12-17 @ 2:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9334496	1215	2019-12-17 @ 2:00 pm	2019-12-20 @ 10:00 am	1.6 ± 0.4	2019-12-24
9341016	1216	2019-12-17 @ 2:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9334497	1219	2019-12-17 @ 2:00 pm	2019-12-20 @ 10:00 am	0.9 ± 0.4	2019-12-24
9334491	1221	2019-12-17 @ 2:00 pm	2019-12-20 @ 10:00 am	0.9 ± 0.4	2019-12-24
9341022	1225	2019-12-17 @ 2:00 pm	2019-12-20 @ 10:00 am	2.0 ± 0.4	2019-12-24
9334495	1227	2019-12-17 @ 2:00 pm	2019-12-20 @ 10:00 am	1.1 ± 0.4	2019-12-24
9341008	1231	2019-12-17 @ 3:00 pm	2019-12-20 @ 10:00 am	1.5 ± 0.4	2019-12-24
9341013	1231	2019-12-17 @ 2:00 pm	2019-12-20 @ 10:00 am	1.7 ± 0.4	2019-12-24
9341017	1232	2019-12-17 @ 2:00 pm	2019-12-20 @ 10:00 am	0.9 ± 0.3	2019-12-24
9341014	1233	2019-12-17 @ 2:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341018	1234	2019-12-17 @ 2:00 pm	2019-12-20 @ 10:00 am	0.6 ± 0.4	2019-12-24
9340664	1237	2019-12-17 @ 3:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341026	1237	2019-12-17 @ 2:00 pm	2019-12-20 @ 10:00 am	0.8 ± 0.4	2019-12-24
9340663	1237	2019-12-17 @ 3:00 pm	2019-12-20 @ 10:00 am	0.7 ± 0.4	2019-12-24
9341071	1300	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	0.6 ± 0.4	2019-12-24
9341080	1300	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	0.5 ± 0.4	2019-12-24
9341030	1301	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341036	1304	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341029	1305	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24

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Radon test result report for:

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9341028	1305B	2019-12-17 @ 1:00 pm	2019-12-20 @ 11:00 am	< 0.3	2019-12-24
9341081	1307	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	0.8 ± 0.4	2019-12-24
9341043	1310	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	0.6 ± 0.3	2019-12-24
9341035	1313	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341038	1313A	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341045	1315	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341037	1319	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	0.7 ± 0.4	2019-12-24
9341048	1320	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341024	1320	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	0.9 ± 0.4	2019-12-24
9341060	1320A	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341059	1320B	2019-12-17 @ 1:00 pm	2019-12-20 @ 11:00 am	< 0.3	2019-12-24
9341082	1323	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	0.6 ± 0.4	2019-12-24
9341001	1323A	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	0.7 ± 0.4	2019-12-24
9341050	1327	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341032	1331	2019-12-17 @ 3:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341044	1331	2019-12-17 @ 1:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341031	1331	2019-12-17 @ 3:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341070	1400	2019-12-17 @ 12:00 pm	2019-12-20 @ 11:00 am	< 0.3	2019-12-24
9341061	1400A	2019-12-17 @ 12:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341086	1401	2019-12-17 @ 12:00 pm	2019-12-20 @ 11:00 am	0.6 ± 0.4	2019-12-24
9341062	1402B	2019-12-17 @ 12:00 pm	2019-12-20 @ 10:00 am	1.1 ± 0.4	2019-12-24
9341063	1402C	2019-12-17 @ 12:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9340688	1409	2019-12-17 @ 3:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9340689	1409	2019-12-17 @ 3:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341087	1409	2019-12-17 @ 12:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341057	1411	2019-12-17 @ 12:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341027	1411A	2019-12-17 @ 12:00 pm	2019-12-20 @ 10:00 am	0.6 ± 0.4	2019-12-24
9341088	1411B	2019-12-17 @ 12:00 pm	2019-12-20 @ 11:00 am	< 0.3	2019-12-24
9341085	1414	2019-12-17 @ 12:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9340694	1415	2019-12-17 @ 3:00 pm	2019-12-20 @ 10:00 am	< 0.3	2019-12-24
9341051	1415	2019-12-17 @ 12:00 pm	2019-12-20 @ 10:00 am	0.7 ± 0.4	2019-12-24
9340690	1415	2019-12-17 @ 3:00 pm	2019-12-20 @ 10:00 am	0.7 ± 0.4	2019-12-24
9341072	1415A	2019-12-17 @ 12:00 pm	2019-12-20 @ 10:00 am	0.7 ± 0.4	2019-12-24
9341069	1416	2019-12-17 @ 12:00 pm	2019-12-20 @ 10:00 am	0.7 ± 0.3	2019-12-24
9341052	1416A	2019-12-17 @ 12:00 pm	2019-12-20 @ 10:00 am	0.6 ± 0.3	2019-12-24
9341006	2107	2019-12-17 @ 3:00 pm	2019-12-20 @ 11:00 am	< 0.3	2019-12-24
9341012	2115	2019-12-17 @ 3:00 pm	2019-12-20 @ 11:00 am	0.5 ± 0.4	2019-12-24

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Radon test result report for:

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9341021	2127	2019-12-17 @ 3:00 pm	2019-12-20 @ 11:00 am	0.7 ± 0.4	2019-12-24
9341011	2201	2019-12-17 @ 3:00 pm	2019-12-20 @ 11:00 am	< 0.3	2019-12-24
9341098	MAIN OFFICE	2019-12-17 @ 12:00 pm	2019-12-20 @ 9:00 am	0.8 ± 0.4	2019-12-24

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EXPOSURE IN BOWSER-MORNER RADON CHAMBER

CLIENT KCI Technologies Inc Job Number 193598

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

Temp °F 70.1 RH % 50.1 Avg pCi/L 25.4

Date Start: 12/21/19 Date Stop: 12/23/19

Time Start: 0815 Time Stop: 0815

(Group 1)

Device No.'s: (20) Char. Bags -

9340001 thru 9340020

55

Temp °F 70.1 RH % 50.1 Avg pCi/L 25.4

Date Start: 12/21/19 Date Stop: 12/23/19

Time Start: 0829 Time Stop: 0820

(Group 2)

Device No.'s: (20) Char. Bags -

9340021 thru 9340040

54

Temp °F 70.1 RH % 50.1 Avg pCi/L 25.4

Date Start: 12/21/19 Date Stop: 12/23/19

Time Start: 0825 Time Stop: 0823

(Group 3)

Device No.'s: (20) Char. Bags -

9340041 thru 9340060

53

Note: All times are in 24-hour (military) notation, Eastern Standard Time (EST)
Background = 7 µR/h Elevation = 820 ft

January 3, 2020

** LABORATORY ANALYSIS REPORT **

Radon test result report for:

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

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9340067	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	25.1 ± 2.4 D	2020-01-03
9340035	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	22.5 ± 2.3 D	2020-01-03
9340003	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	25.2 ± 2.4 D	2020-01-03
9340089	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	23.3 ± 2.3 D	2020-01-03
9340072	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	18.3 ± 2.0 D	2020-01-03
9340040	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	27.3 ± 2.6 D	2020-01-03
9340008	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	24.8 ± 2.5 D	2020-01-03
9340094	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	24.7 ± 2.5 D	2020-01-03
9340099	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	27.5 ± 2.6 D	2020-01-03
9340077	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	25.2 ± 2.5 D	2020-01-03
9340045	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	24.7 ± 2.4 D	2020-01-03
9340013	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	25.9 ± 2.6 D	2020-01-03
9340018	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	29.1 ± 2.8 D	2020-01-03
9341704	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	25.1 ± 2.4 D	2020-01-03
9340050	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	27.2 ± 2.6 D	2020-01-03
9340023	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	28.2 ± 2.7 D	2020-01-03
9341709	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	25.5 ± 2.4 D	2020-01-03
9340055	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	27.8 ± 2.6 D	2020-01-03
9340060	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	27.3 ± 2.5 D	2020-01-03
9340028	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	23.9 ± 2.3 D	2020-01-03
9341714	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	28.3 ± 2.7 D	2020-01-03
9340082	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	26.4 ± 2.6 D	2020-01-03
9340065	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	24.2 ± 2.4 D	2020-01-03
9340033	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	26.2 ± 2.5 D	2020-01-03
9341719	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	26.7 ± 2.5 D	2020-01-03
9340001	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	26.3 ± 2.5 D	2020-01-03
9340087	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	24.8 ± 2.4 D	2020-01-03
9340070	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	19.5 ± 2.4 D	2020-01-03
9340038	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	24.7 ± 2.3 D	2020-01-03
9340006	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	25.2 ± 2.4 D	2020-01-03
9340092	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	31.4 ± 2.8 D	2020-01-03
9340097	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	26.7 ± 2.5 D	2020-01-03
9340075	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	29.6 ± 2.6 D	2020-01-03
9340043	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	28.1 ± 2.6 D	2020-01-03
9340011	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	26.8 ± 2.5 D	2020-01-03
9340016	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	23.2 ± 2.4 D	2020-01-03
9341702	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	26.8 ± 2.5 D	2020-01-03

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January 3, 2020

** LABORATORY ANALYSIS REPORT **

Radon test result report for:
S
N/A

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9340048	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	25.5 ± 2.4 D	2020-01-03
9340021	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	26.7 ± 2.6 D	2020-01-03
9341707	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	25.8 ± 2.4 D	2020-01-03
9340053	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	25.8 ± 2.5 D	2020-01-03
9340058	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	28.5 ± 2.7 D	2020-01-03
9340026	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	25.9 ± 2.4 D	2020-01-03
9341712	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	24.3 ± 2.4 D	2020-01-03
9340080	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	25.1 ± 2.4 D	2020-01-03
9340063	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	25.8 ± 2.5 D	2020-01-03
9340031	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	24.9 ± 2.4 D	2020-01-03
9341717	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	25.7 ± 2.4 D	2020-01-03
9340085	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	26.9 ± 2.5 D	2020-01-03
9340068	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	26.2 ± 2.5 D	2020-01-03
9340036	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	23.6 ± 2.3 D	2020-01-03
9340004	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	26.9 ± 2.6 D	2020-01-03
9340090	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	26.3 ± 2.5 D	2020-01-03
9340073	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	26.8 ± 2.5 D	2020-01-03
9340041	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	25.6 ± 2.4 D	2020-01-03
9340009	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	24.1 ± 2.4 D	2020-01-03
9340095	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	25.2 ± 2.5 D	2020-01-03
9340100	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	24.5 ± 2.4 D	2020-01-03
9340078	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	25.0 ± 2.4 D	2020-01-03
9340046	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	28.0 ± 2.6 D	2020-01-03
9340014	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	21.8 ± 2.8 D	2020-01-03
9340019	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	26.0 ± 2.5 D	2020-01-03
9341705	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	27.8 ± 2.6 D	2020-01-03
9340051	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	25.5 ± 2.4 D	2020-01-03
9340056	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	27.7 ± 2.6 D	2020-01-03
9340024	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	28.3 ± 2.5 D	2020-01-03
9341710	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	24.2 ± 2.3 D	2020-01-03
9340061	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	28.9 ± 2.6 D	2020-01-03
9340029	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	23.0 ± 2.3 D	2020-01-03
9341715	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	27.0 ± 2.5 D	2020-01-03
9340083	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	24.9 ± 2.4 D	2020-01-03
9340066	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	25.1 ± 2.4 D	2020-01-03
9340034	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	26.4 ± 2.5 D	2020-01-03
9341720	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	25.3 ± 2.5 D	2020-01-03

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January 3, 2020

** LABORATORY ANALYSIS REPORT **

Radon test result report for:
S
N/A

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9340002	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	25.7 ± 2.5 D	2020-01-03
9340088	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	26.4 ± 2.5 D	2020-01-03
9340071	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	24.9 ± 2.4 D	2020-01-03
9340039	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	26.9 ± 2.5 D	2020-01-03
9340007	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	26.9 ± 2.4 D	2020-01-03
9340093	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	25.1 ± 2.5 D	2020-01-03
9340098	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	26.8 ± 2.5 D	2020-01-03
9340076	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	25.1 ± 2.5 D	2020-01-03
9340044	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	25.2 ± 2.5 D	2020-01-03
9340012	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	22.5 ± 2.2 D	2020-01-03
9340017	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	25.3 ± 2.5 D	2020-01-03
9341703	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	26.0 ± 2.5 D	2020-01-03
9340049	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	26.0 ± 2.5 D	2020-01-03
9340022	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	28.6 ± 2.6 D	2020-01-03
9341708	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	28.8 ± 2.8 D	2020-01-03
9340054	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	26.8 ± 2.5 D	2020-01-03
9340059	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	26.5 ± 2.6 D	2020-01-03
9340027	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	26.6 ± 2.5 D	2020-01-03
9341713	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	26.5 ± 2.5 D	2020-01-03
9340081	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	18.4 ± 2.1 D	2020-01-03
9340064	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	26.5 ± 2.5 D	2020-01-03
9340032	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	26.1 ± 2.4 D	2020-01-03
9341718	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	23.7 ± 2.4 D	2020-01-03
9340086	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	26.9 ± 2.6 D	2020-01-03
9340069	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	25.6 ± 2.5 D	2020-01-03
9340037	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	28.4 ± 2.6 D	2020-01-03
9340005	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	???? DIF1	2020-01-03
9340091	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	26.5 ± 2.5 D	2020-01-03
9340096	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	26.2 ± 2.5 D	2020-01-03
9340074	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	27.7 ± 2.5 D	2020-01-03
9340042	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	26.6 ± 2.5 D	2020-01-03
9340010	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	27.5 ± 2.5 D	2020-01-03
9341701	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	22.9 ± 2.3 D	2020-01-03
9340047	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	26.7 ± 2.5 D	2020-01-03
9340015	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	25.4 ± 2.5 D	2020-01-03
9340020	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	24.1 ± 2.4 D	2020-01-03
9341706	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	31.0 ± 2.7 D	2020-01-03

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January 3, 2020 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
S
N/A

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9340052	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	27.4 ± 2.6 D	2020-01-03
9340057	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	27.3 ± 2.5 D	2020-01-03
9340025	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	25.1 ± 2.4 D	2020-01-03
9341711	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	22.5 ± 2.2 D	2020-01-03
9340079	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	26.9 ± 2.5 D	2020-01-03
9340062	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	25.6 ± 2.5 D	2020-01-03
9340030	N/A	2019-12-21 @ 8:00 am	2019-12-23 @ 8:00 am	25.0 ± 2.4 D	2020-01-03
9341716	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	25.1 ± 2.4 D	2020-01-03
9340084	N/A	2019-12-21 @ 9:00 am	2019-12-23 @ 9:00 am	24.5 ± 2.3 D	2020-01-03

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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 2019 Week 2

Name of Schools:

1. Argyle M.S.
2. Banneker M.S.
3. Bel Pre E.S.
4. Bells Mill E.S.
5. Bethesda Maintenance Depot
6. Beverly Farms E.S.
7. Blake H.S.
8. Dufief E.S.
9. Briggs Chaney M.S.
10. Brookhaven E.S.
11. Burtonsville E.S.
12. Cabin John M.S.
13. Candelwood E.S.
14. Drew E.S.
15. Fallsmead E.S.
16. Farquhar M.S.
17. Kennedy H.S.
18. Luxmanor E.S.
19. Magruder H.S.
20. Redland M.S.
21. Shriver E.S.
22. Smith Center
23. Viers Mill E.S.
24. Wheaton H.S.

	Date	Initials
Radon Test Kits Deployed	12/16/19 to 12/17/19	
Radon Test Kits Collected	12/19/19 to 12/20/19	
Radon Test Kits Shipped to Lab*	12/20/19	
Radon Test Kits Received by Lab*	12/23/19	

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

KCI TECHNOLOGIES

ENGINEERS • PLANNERS • SCIENTISTS • CONSTRUCTION MANAGERS

936 RIDGEBROOK ROAD • SPARKS, MD 21152 • 410-316-7800 • (FAX) 410-316-7935

MCPS RADON TESTING

Executive Summary: Cabin John Middle School

Date of Test Report:	1/27/2016
Round of Testing:	Initial Follow-up Post Remediation
# Rooms Tested:	81
# Rooms ≥ 4.0 pCi/L:	0
Low Value:	< 0.3
High Value:	1.3

Project Status:
Initial testing completed; no further action at this time.

KCI TECHNOLOGIES

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936 RIDGEBROOK ROAD • SPARKS, MD 21152 • 410-316-7800 • (FAX) 410-316-7935

January 27, 2016

Mr. Richard Cox
Indoor Air Quality Team Leader
Montgomery County Public Schools
850 Hungerford Drive
Rockville, MD 20850

Re: **Radon Testing Services**
KCI Job # 12146341.22

Location: Cabin John Middle School
10701 Gainsborough Road
Potomac, MD 20854

Dear Mr. Cox:

KCI Technologies, Inc. (KCI) is pleased to submit the following report to the Montgomery County Public Schools (MCPS) pursuant to completing a "short-term" 3 day radon test for the Cabin John Middle School, located at 10701 Gainsborough Road in Potomac, Maryland 20854 (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 Safety Board (NRSB) Radon Measurement Specialist (certification #14SS056) supervised the testing. Additional information on radon management and the health effects of radon exposure is available from www.montgomerycountymd.gov/dep/air/radon or www.epa.gov/radon.

KCI visited the site on January 4, 2016 and deployed ninety-six (96) activated charcoal (AC) radon test kits. KCI deployed radon test kits in 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 included duplicate samples, field blanks, lab transit blanks, and office blanks in accordance with AARST recommendations. In addition, KCI submitted six (6) 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 January 7, 2016 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:

The operating condition that represents the greatest amount of significantly occupied time for this building is; heating active, with outdoor temperature averages ≤ 65° F.

KCI concludes that the test period reasonably represents normal conditions when the building is significantly occupied. Clear characterization of the radon hazard is most likely to be observed under this normal operating condition. Based on the evaluation of test conditions, this test should reasonably characterize radon hazards.

KCI also conducted observations of field conditions which could affect the results of the test and compiled weather data for the testing period. KCI recorded observations of the following conditions in each room at 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.

Results:

The results of the radon test analysis indicated the following:

Radon Concentration	Room	Result
≥4.0 piC/L	none	n/a
<4.0 piC/L	See Attachment B	

Notes:
D- Duplicate sample

All field blanks, office blanks, and lab transit blanks had test results of less than the laboratory detection limit of 0.3 pCi/L. Review of the duplicate sample analysis indicates that adequate laboratory measurement precision was achieved. The Spike sample analysis results indicate the laboratory is operating within statistical control limits.

The sampling locations, field observations, and analytical results are listed on Table 1 (Attachment B). The laboratory analytical results are also attached (Attachment C). Laboratory results and exposure data for the spike samples are also included in Attachment C.

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) 316-7800.

Sincerely,

James M. Moulsdale
Radon Measurement Specialist
KCI Technologies, Inc.

Attachments: A- Floor Plan with Test Locations
B- Table 1-Radon Test Summary Spreadsheet
C- Laboratory Analytical Results

ATTACHMENT B

Radon Test Summary Spreadsheet

Table Notes:

AC- Activated Charcoal

ACI- Air Chek, Inc.

D- Duplicate

FB- Field Blank

KCI- KCI Technologies, Inc.

OB- Office Blank

PM- Project Manager

QC- Quality Control

Radon Testing Results		
Cabin John MS		
Test Period: 01/04/16-01/07/16		
Kit Number	**Room / Area**	**Result**
7704650	1000	0.9
7707943	1002	0.7
7707945	1004	0.6
7707938	1006	< 0.3
7707990	1102	< 0.3
7707988	1103	0.6
7707989	1104	0.6
7707987	1107	1
7707984	1109	0.6
7707991	1110	< 0.3
7707985	1113	< 0.3
7707983	1115	1
7707981	1119	< 0.3
7707982	1121	0.6
7707992	1124	< 0.3
7707980	1125	0.6
7707940	1126	< 0.3
7707979	1127	< 0.3
7707999	1131	< 0.3
7707975	1141	< 0.3
7707971	1201	< 0.3
7707947	1204	< 0.3
7707986	1207	0.5
7707948	1208	0.7
7707959	1210	< 0.3
7707968	1213	0.6
7707963	1215	< 0.3
7707964	1216	< 0.3
7707967	1219	0.7
7707998	1221	0.7
7707997	1225	1.3
7707996	1227	0.6
7707995	1231	1
7707994	1232	< 0.3
7707960	1233	< 0.3
7707993	1237	< 0.3
7707962	1300	0.7
7707965	1300	0.6
7707966	1301	< 0.3
7707956	1304	< 0.3
7707952	1305	< 0.3
7707970	1307	< 0.3
7707973	1310	0.7
7707969	1313	0.6
7707951	1315	< 0.3
7707972	1319	0.6

Table Note:
* Missing or Compromised Sample

Radon Testing Results		
Cabin John MS		
Test Period: 01/04/16-01/07/16		
Kit Number	**Room / Area**	**Result**
7707977	1320	< 0.3
7707978	1323	< 0.3
7707936	1327	< 0.3
7707944	1331	< 0.3
7707949	1400	< 0.3
7707950	1400	< 0.3
7707961	1409	< 0.3
7707958	1411	0.7
7708000	1414	0.6
7707953	1415	< 0.3
7707954	1416	< 0.3
7704647	2107	< 0.3
7707934	2127	< 0.3
7704651	2233	< 0.3
7706596	1000B	0.8
7706576	1000C	0.7
7706456	1000D	1
7706593	1000F	0.7
7706572	1000G	1.1
7706569	1000H	1.2
7706598	1000J	0.8
7707928	1000K	0.6
7707929	1000O	0.9
7707937	1000Q	0.9
7707932	1000R	0.6
7707931	1000S	0.6
7707935	1000T	0.9
7707942	1000V	< 0.3
7707941	1000W	< 0.3
7707939	1006D	0.7
7707946	1006E	< 0.3
7707955	1313A	< 0.3
7707974	1320A	< 0.3
7707976	1320B	< 0.3
7707957	1411A	0.7

Table Note:
* Missing or Compromised Sample

Radon Testing Results		
Cabin John MS		
Test Period: 01/04/16-01/07/16		
Kit Number	**QC Type**	**Result**
7706577	D (1000)	0.9
7708640	D (1000B)	0.9
7706574	D (1000C)	0.5
7706595	D (1000F)	1
7706599	D (1000J)	1
7714316	D (1400)	< 0.3
7714323	D (1414)	< 0.3
7714322	D (1416)	< 0.3
7706580	FB (1000D)	< 0.3
7706594	FB (1000G)	< 0.3
7707927	FB (1000H)	< 0.3
7714325	FB (1320)	< 0.3
7714324	FB (1409)	< 0.3
7714320	OB (0)	< 0.3
7714319	OB (0)	< 0.3

Table Note:
* Missing or Compromised Sample

ATTACHMENT C

Laboratory Analytical Results

January 25, 2016

** LABORATORY ANALYSIS REPORT **

Radon test result report for:

CABIN JOHN MS
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
7714319	0	2016-01-04 @ 10:00 am	2016-01-07 @ 1:00 pm	< 0.3	2016-01-11
7714320	0	2016-01-04 @ 10:00 am	2016-01-07 @ 1:00 pm	< 0.3	2016-01-11
7704650	1000	2016-01-04 @ 9:00 am	2016-01-07 @ 10:00 am	0.9 ± 0.3	2016-01-11
7706577	1000	2016-01-04 @ 9:00 am	2016-01-07 @ 10:00 am	0.9 ± 0.3	2016-01-11
7706596	1000B	2016-01-04 @ 9:00 am	2016-01-07 @ 10:00 am	0.8 ± 0.3	2016-01-11
7708640	1000B	2016-01-04 @ 9:00 am	2016-01-07 @ 10:00 am	0.9 ± 0.3	2016-01-11
7706574	1000C	2016-01-04 @ 9:00 am	2016-01-07 @ 10:00 am	0.5 ± 0.3	2016-01-11
7706576	1000C	2016-01-04 @ 9:00 am	2016-01-07 @ 10:00 am	0.7 ± 0.3	2016-01-12
7706456	1000D	2016-01-04 @ 9:00 am	2016-01-07 @ 10:00 am	1.0 ± 0.3	2016-01-11
7706580	1000D	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	< 0.3	2016-01-11
7706593	1000F	2016-01-04 @ 9:00 am	2016-01-07 @ 10:00 am	0.7 ± 0.3	2016-01-11
7706595	1000F	2016-01-04 @ 9:00 am	2016-01-07 @ 10:00 am	1.0 ± 0.3	2016-01-11
7706572	1000G	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	1.1 ± 0.3	2016-01-11
7706594	1000G	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	< 0.3	2016-01-11
7706569	1000H	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	1.2 ± 0.3	2016-01-11
7707927	1000H	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	< 0.3	2016-01-11
7706598	1000J	2016-01-04 @ 9:00 am	2016-01-07 @ 10:00 am	0.8 ± 0.3	2016-01-11
7706599	1000J	2016-01-04 @ 9:00 am	2016-01-07 @ 10:00 am	1.0 ± 0.3	2016-01-11
7707928	1000K	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	0.6 ± 0.3	2016-01-11
7707929	1000O	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	0.9 ± 0.3	2016-01-11
7707937	1000Q	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.9 ± 0.3	2016-01-11
7707932	1000R	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	0.6 ± 0.3	2016-01-11
7707931	1000S	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	0.6 ± 0.3	2016-01-11
7707935	1000T	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	0.9 ± 0.3	2016-01-11
7707942	1000V	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	< 0.3	2016-01-12
7707941	1000W	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	< 0.3	2016-01-11
7707943	1002	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	0.7 ± 0.3	2016-01-11
7707945	1004	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	0.6 ± 0.3	2016-01-11
7707938	1006	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	< 0.3	2016-01-11
7707939	1006D	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	0.7 ± 0.3	2016-01-11
7707946	1006E	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707990	1102	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707988	1103	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-11
7707989	1104	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-11
7707987	1107	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	1.0 ± 0.3	2016-01-11
7707984	1109	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-11
7707991	1110	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11

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

January 25, 2016

** LABORATORY ANALYSIS REPORT **

Radon test result report for:

CABIN JOHN MS
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
7707985	1113	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707983	1115	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	1.0 ± 0.3	2016-01-11
7707981	1119	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707982	1121	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-11
7707992	1124	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707980	1125	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-11
7707940	1126	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707979	1127	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707999	1131	2016-01-04 @ 1:00 pm	2016-01-07 @ 9:00 am	< 0.3	2016-01-12
7707975	1141	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707971	1201	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707947	1204	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-12
7707986	1207	2016-01-04 @ 1:00 pm	2016-01-07 @ 9:00 am	0.5 ± 0.3	2016-01-11
7707948	1208	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	0.7 ± 0.3	2016-01-11
7707959	1210	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707968	1213	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-11
7707963	1215	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707964	1216	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707967	1219	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	0.7 ± 0.3	2016-01-11
7707998	1221	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	0.7 ± 0.3	2016-01-11
7707997	1225	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	1.3 ± 0.3	2016-01-11
7707996	1227	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-11
7707995	1231	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	1.0 ± 0.3	2016-01-11
7707994	1232	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707960	1233	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707993	1237	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707962	1300	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	0.7 ± 0.3	2016-01-11
7707965	1300	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-11
7707966	1301	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707956	1304	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707952	1305	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707970	1307	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707973	1310	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	0.7 ± 0.3	2016-01-11
7707969	1313	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-11
7707955	1313A	2016-01-04 @ 11:00 am	2016-01-07 @ 10:00 am	< 0.3	2016-01-11
7707951	1315	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707972	1319	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-11

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

January 25, 2016

** LABORATORY ANALYSIS REPORT **

Radon test result report for:

CABIN JOHN MS
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
7707977	1320	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7714325	1320	2016-01-04 @ 8:00 pm	2016-01-07 @ 10:00 am	< 0.3	2016-01-11
7707974	1320A	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707976	1320B	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707978	1323	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707936	1327	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707944	1331	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707949	1400	2016-01-04 @ 11:00 am	2016-01-07 @ 10:00 am	< 0.3	2016-01-11
7707950	1400	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7714316	1400	2016-01-04 @ 8:00 pm	2016-01-07 @ 10:00 am	< 0.3	2016-01-11
7707961	1409	2016-01-04 @ 11:00 am	2016-01-07 @ 10:00 am	< 0.3	2016-01-11
7714324	1409	2016-01-04 @ 8:00 pm	2016-01-07 @ 10:00 am	< 0.3	2016-01-11
7707958	1411	2016-01-04 @ 11:00 am	2016-01-07 @ 9:00 am	0.7 ± 0.3	2016-01-11
7707957	1411A	2016-01-04 @ 11:00 am	2016-01-07 @ 10:00 am	0.7 ± 0.3	2016-01-12
7708000	1414	2016-01-04 @ 1:00 pm	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-11
7714323	1414	2016-01-04 @ 8:00 pm	2016-01-07 @ 10:00 am	< 0.3	2016-01-11
7707953	1415	2016-01-04 @ 11:00 am	2016-01-07 @ 10:00 am	< 0.3	2016-01-11
7707954	1416	2016-01-04 @ 11:00 am	2016-01-07 @ 10:00 am	< 0.3	2016-01-11
7714322	1416	2016-01-04 @ 8:00 pm	2016-01-07 @ 10:00 am	< 0.3	2016-01-11
7704647	2107	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7707934	2127	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7704651	2233	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11

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January 15, 2016

** LABORATORY ANALYSIS REPORT **

Radon test result report for:

MCPS PHASE 3 & 4
TRANSIT BLANKS

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
7708218	TRAMSIT 4	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708200	TRANSIT 1	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708190	TRANSIT 10	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708189	TRANSIT 11	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708191	TRANSIT 12	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708188	TRANSIT 13	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708197	TRANSIT 14	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708186	TRANSIT 15	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708185	TRANSIT 16	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708184	TRANSIT 17	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708182	TRANSIT 18	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708187	TRANSIT 18	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708199	TRANSIT 2	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708181	TRANSIT 20	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708180	TRANSIT 21	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708183	TRANSIT 22	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708178	TRANSIT 23	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708179	TRANSIT 24	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708177	TRANSIT 25	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708176	TRANSIT 26	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708174	TRANSIT 27	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708173	TRANSIT 28	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708175	TRANSIT 29	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708198	TRANSIT 3	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708172	TRANSIT 30	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708194	TRANSIT 5	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708196	TRANSIT 6	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708193	TRANSIT 7	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708192	TRANSIT 8	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23
7708195	TRANSIT 9	2015-12-18 @ 12:00 pm	2015-12-21 @ 12:00 pm	< 0.3	2015-12-23

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December 23, 2015

** LABORATORY ANALYSIS REPORT **

Spike Sample Laboratory Results

Radon test result report for:

MCPS

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
7706380	101	2015-12-18 @ 9:00 am	2015-12-21 @ 9:00 am	25.2	2015-12-23
7706381	102	2015-12-18 @ 9:00 am	2015-12-21 @ 9:00 am	26.5	2015-12-23
7706208	103	2015-12-18 @ 9:00 am	2015-12-21 @ 9:00 am	27.7	2015-12-23
7705132	104	2015-12-18 @ 9:00 am	2015-12-21 @ 9:00 am	28.6	2015-12-23
7706366	105	2015-12-18 @ 9:00 am	2015-12-21 @ 9:00 am	26.5	2015-12-23
7706211	106	2015-12-18 @ 9:00 am	2015-12-21 @ 9:00 am	26.1	2015-12-23

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Note: Spike samples are test canisters that are deliberately exposed to a controlled high level of radon in a laboratory. They provide a quality control measure in the testing process and do NOT reflect radon levels in the building being tested.

EXPOSURE IN BOWSER-MORNER RADON CHAMBER

CLIENT KCI Technologies Inc. Job Number 173224

NOMINAL Conditions: Radon Conc 26.9 pCi/L Rel. Hum 49.6 % Temp. 69.9 F

Date Start: 12/18/15 Date Stop: 12/21/15	Date Start: _____ Date Stop: _____
Time Start: 0929 Time Stop: 0929	Time Start: _____ Time Stop: _____
Device No.'s: 7705132, 7706208, 7706211, 7706366, 7706380, 7706381 F3 Left	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: _____
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

KCI TECHNOLOGIES

ENGINEERS • PLANNERS • SCIENTISTS • CONSTRUCTION MANAGERS

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

Chain of Custody

Project Name: MCPS Radon Phase IV

Name of Schools:

1. Albert Einstein HS
2. Bel Pre ES
3. Benjamin Banneker MS
4. Bethesda Chevy Chase HS
5. Beverly Farms ES
6. Cabin John MS
7. Chevy Chase ES
8. Farmland ES
9. Forest Oak MS
10. Gaithersburg HS
11. Garrett Park ES
12. Herbert Hoover MS
13. Kohn F. Kennedy HS
14. Julius West MS
15. Kensington Parkwood ES
16. Lakewood ES
17. Mill Creek ES
18. Montgomery Blair HS
19. Montgomery Village MS
20. Northwood HS
21. Paint Branch ES
22. Rock Creek Forest ES
23. Stephen Knolls School
24. Strathmore ES
25. Summit Hall ES
26. Travilah ES
27. Twinbrook ES
28. Waters Landing ES
29. Watkins Mill HAS
30. Weller Road ES
31. White Oak MS
32. Winston Churchill HS

	Date	Initials
Radon Test Kits Deployed	1/4/16	JM
Radon Test Kits Sampled	1/7/16	JM
Radon Test Kits Shipped to Lab*	1/8/16	JM
Radon Test Kits Received by Lab*	1/11/16	JM

*All samples sent to Air Check, Inc., 1936 Butler Bridge Road, Mills River, NC 28758

Note: tests kits deployed at Montgomery Blair HS 1/4/16 and 1/5/16, test kits sampled at Montgomery Blair HS 1/7/16 and 1/8/16

M. A. CECIL & ASSOCIATES, INC.
4475 Shannon Way, Port Republic, Maryland 20676 (301) 855-7710
INDUSTRIAL HYGIENE AND ENVIRONMENTAL HEALTH

July 29, 2010

Mr. Sean Yarup
Montgomery County Public Schools
16651 Crabbs Branch Way
Rockville, Maryland 20855

Re: Radon Evaluation- Cabin John Middle School

Dear Mr. Yarup:

Environmental radon testing was completed at Cabin John Middle School.

Charcoal canisters were placed in thirty locations on the first floor of the school. The canisters were placed on July 20, 2010 and retrieved on July 22, 2010. The results, expressed as pico Curies per liter (pCi/l) of air, and the sampling locations are summarized in the attached table.

The detected radon concentrations for all 30 sampling locations were below the EPA recommended level of 4.0 pico curries per liter of air.

Should you have any questions concerning this report please do not hesitate to contact us.

Sincerely,

Kim Fowler
Industrial Hygienist

Michael A. Cecil, CIH

Environmental Radon Testing Results
Cabin John Middle
July 20, 2010

Location	Detected Radon Concentration (pCi/l)
Room C104	<0.5
Room C106 A	<0.5
Room C106	<0.5
Room C107	<0.5
Room C108	0.5
Room C109	<0.5
Room C110	<0.5
Room C111	<0.5
Room A108	<0.5
Gym	<0.5
Gym Stage	<0.5
Aux Gym	0.6
Room A101	<0.5
Room B104	0.7
Room B101	0.7
Room C116	<0.5
Room C117	1.0
Room C120	<0.5
Room C121	<0.5
Room C122	<0.5
Room C123	<0.5
Room C103	<0.5
Room C133	<0.5
Room C134 B	<0.5
Principals Office	<0.5
Room C 134 C	0.8
Room C126 A	<0.5
Room C126 D	<0.5
Main Office Right	<0.5
Main Office Left	1.0