School / Facility Radon Testing Report Form

School Year: **24-25**

Facility:	Bethesda Chevy Chase High School
Address:	4301 East-West Highway
	Bethesda, MD 20814
Reason for Testing:	Scheduled Re-Testing - ☐ 2-year or ☒ 5-year schedule ☐ Clearance Testing (Post-Mitigation) ☐ Building Envelope or HVAC Upgrades ☐ New Construction – Addition or Facility
Current Radon Status:	☐ Active Mitigation (2-year regular schedule) ☒ No Active Mitigation (5-year regular schedule) ☐ Not Previously Tested (New Facility)
Round of Testing:	☒ Initial Testing **-or-** ☐ Follow-up Testing
Testing Status:	☒ No Further Testing Needed **-or-** ☐ Follow-Up Testing Required

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

Mitigation -	**Facility Radon Status:**		
☒ Not Required ☐ Required (≥4.0-pCi/L) Rooms:	☒ No Change in Status ☐ Active Mitigation (2-year regular schedule) ☐ No Active Mitigation (5-year regular schedule)		
Number of Rooms Tested	66	Lowest Value (pCi/L)	< 0.3
Number of Rooms (≥4.0-pCi/L)	0	Highest Value (pCi/L)	1.7

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
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):	1/14/2025 1/17/2025
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]	54	0	12	0	66
Duplicates[2]	6	0	1	0	7
Field Blanks[3]	3	0	0	0	3
				Grand Total	76

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	0	1
Office Blanks[3, 4]	1	0	1
			12

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

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:	54	0	12	0	66
Number of locations ≥8.0-pCi/L:	0	0	0	0	0
Number of locations ≥4.0 and ≤8-pCi/L:	0	0	0	0	0
Number of locations ≥2.7 and <4-pCi/L:	0	0	0	0	0
Number of locations ≥2.0 and <2.7-pCi/L:	0	0	0	0	0
Number of missing required test locations[3]:	1	0	1	0	2
Number of failed duplicate control locations:	0	0	0	0	0
Percentage of missing test locations for the facility[4,5]:	1.8%	0	0	0	1.8%

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		
Bethesda Chevy Chase High School		
Test Period: 1/13/2025 - 1/17/2025		
Kit Number	Room / Area	Result
11926521	A030B	1.2
11926564	A217	< 0.3
11926540	A218	< 0.3
11926555	A218	< 0.3
11926584	A302	< 0.3
11926570	A402	< 0.3
11926562	AUDITORIUM	0.6
11926561	AUDITORIUM	< 0.3
11926567	AUDITORIUM	< 0.3
11926568	AUDITORIUM	< 0.3
11926541	B101	< 0.3
11926549	B103	< 0.3
11926551	B106	0.6
11926552	B106	0.6
11926550	B107	< 0.3
11926557	B109	< 0.3
11926558	B109	< 0.3
11926559	B111	< 0.3
11926524	B112	< 0.3
11926523	B113	< 0.3
11926560	B114	< 0.3
11926501	B115	< 0.3
11926516	B117	< 0.3
11926554	B126	< 0.3
11926548	B127	< 0.3
11926547	B129	< 0.3
11926583	B304	0.6
11926566	C101A	0.7
11926565	C102	0.8
11926556	C113	0.6
11926581	C207	< 0.3
11926582	C210	0.7
11926577	C309	< 0.3
11926532	CAFETERIA	0.7
11926539	CAFETERIA	1.2
11926502	D003	< 0.3
11926510	D004	0.9

Table 1- Radon Testing Results		
Bethesda Chevy Chase High School		
Test Period: 1/13/2025 - 1/17/2025		
Kit Number	Room / Area	Result
11926525	D008	1.1
11926526	D008	1.2
11926527	D009	1.3
11926519	E006	< 0.3
11926518	E007	0.7
11926511	E008	0.5
11926512	E030	1.0
11926517	E031	1.3
11926520	E033	1.2
11926509	E034	0.9
11926533	F000	0.7
11926514	F001	0.9
11926513	F003	1.7
11926506	F005	1.2
11926508	F006	< 0.3
11926504	F007	1.4
11926528	F007	1.5
11926522	F010	< 0.3
11926529	F010	< 0.3
11926535	F012	< 0.3
11926536	F014	0.8
11926534	F016	0.9
11926503	F110	< 0.3
11926542	F118	< 0.3
11926515	F129	< 0.3
11926530	F129	< 0.3
11926574	F203	< 0.3
11926573	F301	< 0.3
11926553	KITCHEN OFFICE	0.6
11926546	KITCHEN OFFICE	0.8
11926537	MAIN GYM	< 0.3
11926543	MAIN GYM	< 0.3
11926538	MAIN OFFICE	0.6
11926575	MEDIA CENTER	< 0.3
11926576	MEDIA CENTER	< 0.3
11926544	SECOND GYM	< 0.3
11926545	SECOND GYM	< 0.3

Table 1- Radon Testing Results		
Bethesda Chevy Chase High School		
Test Period: 1/13/2025 - 1/17/2025		
Kit Number	Room / Area	Result
11926569	STAGE	< 0.3
11926505	WOMEN'S LOCKER ROOM	1.2

Table 2 - Summary Testing Results ≥2.0 pCi/L							
Bells Mill Elementary School							
Test Period: 1/12/2025 - 1/16/2025							
≥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
154	2.0	N/A	N/A	N/A	N/A	N/A	N/A
135	2.1						

Table 3 - QC Radon Testing Results			
Bethesda Chevy Chase High School			
Test Period: 1/13/2025 - 1/17/2025			
Kit Number	**QC Type**	**Room / Area**	**Result**
11926555	D	A218	< 0.3
11926562	D	Auditorium	0.6
11926567	FB	Auditorium	< 0.3
11926552	D	B106	0.6
11926557	FB	B109	< 0.3
11926526	D	D008	1.2
11926528	D	F007	1.5
11926522	FB	F010	< 0.3
11926515	D	F129	< 0.3
11926553	D	Kitchen Office	0.6
11906876	OB	OFFICE BLANK	< 0.3
11906878	TB	TRAVEL BLANK	< 0.3

Table 3a - Duplicate Worksheet / Data Validation

Bethesda Chevy Chase High 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
11926525	11926526	D008	1.2	1.1	✓	2.2	PASS	1.2	<1-pCi/L	✓
11926504	11926528	F007	1.5	1.4	✓	2.8	PASS	1.5	<1-pCi/L	✓
11926530	11926515	F129	0.3	0.3	✓	0.6	PASS	0.3	<1-pCi/L	✓
11926551	11926552	B106	0.6	0.6	✓	1.2	PASS	0.6	<1-pCi/L	✓
11926546	11926553	Kitchen Office	0.8	0.6	✓	1.2	PASS	0.7	<1-pCi/L	✓
11926561	11926562	Auditorium	0.6	0.3	✓	0.6	PASS	0.5	<1-pCi/L	✓
11926540	11926555	A218	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		
Bethesda Chevy Chase High School		
Test Period: 1/13/25 - 1/17/25		
Kit Number	**Room/Area**	**Reason**
11926507	Boys Locker Room	Missing Kit
11926563	F216	Missing Kit

Attachment 2:

Laboratory Reports

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

Radon test result report for:
BETHESDA CHEVY CHASE HS
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11926521	A030B	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	1.2 ± 0.3	2025-01-20
11926564	A217	2025-01-14 @ 10:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926555	A218	2025-01-14 @ 10:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926540	A218	2025-01-14 @ 10:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926584	A302	2025-01-14 @ 10:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926570	A402	2025-01-14 @ 11:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926562	AUDITORIUM	2025-01-14 @ 10:00 am	2025-01-17 @ 7:00 am	0.6 ± 0.3	2025-01-20
11926568	AUDITORIUM	2025-01-14 @ 10:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926567	AUDITORIUM	2025-01-14 @ 10:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926561	AUDITORIUM	2025-01-14 @ 10:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926541	B101	2025-01-14 @ 9:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926549	B103	2025-01-14 @ 9:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926552	B106	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	0.6 ± 0.3	2025-01-20
11926551	B106	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	0.6 ± 0.3	2025-01-20
11926550	B107	2025-01-14 @ 9:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926557	B109	2025-01-14 @ 9:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926558	B109	2025-01-14 @ 9:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926559	B111	2025-01-14 @ 9:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926524	B112	2025-01-14 @ 9:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926523	B113	2025-01-14 @ 9:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926560	B114	2025-01-14 @ 9:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926501	B115	2025-01-14 @ 9:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926516	B117	2025-01-14 @ 9:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926554	B126	2025-01-14 @ 10:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926548	B127	2025-01-14 @ 10:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926547	B129	2025-01-14 @ 10:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926583	B304	2025-01-14 @ 10:00 am	2025-01-17 @ 8:00 am	0.6 ± 0.3	2025-01-20
11926566	C101A	2025-01-14 @ 10:00 am	2025-01-17 @ 8:00 am	0.7 ± 0.3	2025-01-20
11926565	C102	2025-01-14 @ 10:00 am	2025-01-17 @ 7:00 am	0.8 ± 0.3	2025-01-20
11926556	C113	2025-01-14 @ 10:00 am	2025-01-17 @ 7:00 am	0.6 ± 0.3	2025-01-20
11926581	C207	2025-01-14 @ 10:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926582	C210	2025-01-14 @ 10:00 am	2025-01-17 @ 8:00 am	0.7 ± 0.3	2025-01-20
11926577	C309	2025-01-14 @ 11:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926532	CAFETERIA	2025-01-14 @ 10:00 am	2025-01-17 @ 7:00 am	0.7 ± 0.3	2025-01-20
11926539	CAFETERIA	2025-01-14 @ 10:00 am	2025-01-17 @ 7:00 am	1.2 ± 0.3	2025-01-20
11926502	D003	2025-01-14 @ 8:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926510	D004	2025-01-14 @ 8:00 am	2025-01-17 @ 7:00 am	0.9 ± 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:
BETHESDA CHEVY CHASE HS
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11926526	D008	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	1.2 ± 0.3	2025-01-20
11926525	D008	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	1.1 ± 0.3	2025-01-20
11926527	D009	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	1.3 ± 0.3	2025-01-20
11926519	E006	2025-01-14 @ 8:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926518	E007	2025-01-14 @ 8:00 am	2025-01-17 @ 7:00 am	0.7 ± 0.3	2025-01-20
11926511	E008	2025-01-14 @ 8:00 am	2025-01-17 @ 7:00 am	0.5 ± 0.3	2025-01-20
11926512	E030	2025-01-14 @ 8:00 am	2025-01-17 @ 7:00 am	1.0 ± 0.3	2025-01-20
11926517	E031	2025-01-14 @ 8:00 am	2025-01-17 @ 7:00 am	1.3 ± 0.3	2025-01-20
11926520	E033	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	1.2 ± 0.3	2025-01-20
11926509	E034	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	0.9 ± 0.3	2025-01-20
11926533	F000	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	0.7 ± 0.3	2025-01-20
11926514	F001	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	0.9 ± 0.3	2025-01-20
11926513	F003	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	1.7 ± 0.3	2025-01-20
11926506	F005	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	1.2 ± 0.3	2025-01-20
11926508	F006	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926504	F007	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	1.4 ± 0.3	2025-01-20
11926528	F007	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	1.5 ± 0.3	2025-01-20
11926522	F010	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926529	F010	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926535	F012	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926536	F014	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	0.8 ± 0.3	2025-01-20
11926534	F016	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	0.9 ± 0.3	2025-01-20
11926503	F110	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926542	F118	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926530	F129	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926515	F129	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926574	F203	2025-01-14 @ 10:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926573	F301	2025-01-14 @ 10:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926553	KITCHEN OFFICE	2025-01-14 @ 10:00 am	2025-01-17 @ 7:00 am	0.6 ± 0.3	2025-01-20
11926546	KITCHEN OFFICE	2025-01-14 @ 10:00 am	2025-01-17 @ 7:00 am	0.8 ± 0.3	2025-01-20
11926543	MAIN GYM	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926537	MAIN GYM	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926538	MAIN OFFICE	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	0.6 ± 0.3	2025-01-20
11926575	MEDIA CENTER	2025-01-14 @ 10:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926576	MEDIA CENTER	2025-01-14 @ 10:00 am	2025-01-17 @ 8:00 am	< 0.3	2025-01-20
11926545	SECOND GYM	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926544	SECOND GYM	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20

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

Radon test result report for:
BETHESDA CHEVY CHASE HS
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11926569	STAGE	2025-01-14 @ 10:00 am	2025-01-17 @ 7:00 am	< 0.3	2025-01-20
11926505	WOMEN'S LOCKER ROOM	2025-01-14 @ 9:00 am	2025-01-17 @ 7:00 am	1.2 ± 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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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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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

KCI TECHNOLOGIES
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MCPS RADON TESTING - EXECUTIVE SUMMARY

Site Name	Bethesda-Chevy Chase High School
Date of Report	2/21/2020
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	68
# Rooms ≥4.0 pCi/L	0
Lowest Value	<0.3 pCi/L
Highest Value	1.5 pCi/L

Project Status

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

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2/21/2020

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: Bethesda-Chevy Chase High School
4301 East-West Highway
Bethesda, Maryland 20814

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 Bethesda-Chevy Chase High School, located at 4301 East-West Highway in Bethesda, Maryland 20814 (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 www.montgomerycountymd.gov/dep/air/radon or www.epa.gov/radon.

KCI visited the site on 1/6/2020 and deployed eighty-six (86) 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 1/9/2020 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 upper-20s and high temperatures were in the mid-50s. Maximum sustained winds ranged from 10-23 miles per hour. Average humidity was around 64%. 0.32 inches of precipitation (rain) 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		
Bethesda Chevy Chase High School		
Test Period: 1/6/2020-1/9/2020		
Kit Number	Room / Area	Result
9339705	WRESTLING	0.7
9339706	E031	1
9339727	PE BREAKROOM	1.1
9339779	E032	0.7
9339781	PE OFFICE WOMEN	0.8
9339782	E030	0.7
9339783	PE OFFICE MEN	0.8
9339786	E033	0.8
9339791	PE OFFICE WOMEN	1
9340650	F014	< 0.3
9340651	F012	< 0.3
9340652	F010	< 0.3
9340653	F005	< 0.3
9340654	F118	< 0.3
9340655	D003	< 0.3
9340656	F001	< 0.3
9340657	E034	0.8
9340658	E035	1.5
9340659	F007	0.5
9340661	E007	0.6
9340662	E006	< 0.3
9340665	F003	< 0.3
9340666	A030B	< 0.3
9340667	F006	< 0.3
9340668	E008	1
9340669	E006	< 0.3
9340670	B127	< 0.3
9340671	F000	< 0.3
9340672	F016	< 0.3
9340673	B129	< 0.3
9340674	F125	< 0.3
9340676	MAIN GYM	< 0.3
9340677	STAGE	< 0.3
9340678	F111	< 0.3
9340679	AUDITORIUM	< 0.3
9340680	C115	0.6
9340683	STAGE	< 0.3
9340684	D003	< 0.3
9340685	AUDITORIUM	0.6
9340686	F005	< 0.3
9340691	F125	< 0.3
9340692	F100	< 0.3

9340693	F100	< 0.3
9340695	SECOND GYM	< 0.3
9340696	SECOND GYM	< 0.3
9340697	MAIN GYM	0.5
9340698	CONTROL BOOTH	< 0.3
9340699	C108	0.6
9340700	C113	< 0.3
9341201	B126	< 0.3
9341202	CAFETERIA	< 0.3
9341203	CAFETERIA	< 0.3
9341204	CAFETERIA	0.8
9341205	A105	< 0.3
9341206	CYBER CAFE	< 0.3
9341207	A115	< 0.3
9341208	A115	< 0.3
9341209	B118	< 0.3
9341210	B117	< 0.3
9341211	B114	0.7
9341212	B115	< 0.3
9341213	B112	< 0.3
9341214	B112	< 0.3
9341215	B113	< 0.3
9341216	B111	< 0.3
9341217	B109	< 0.3
9341218	B107	< 0.3
9341219	B106	< 0.3
9341220	B105	< 0.3
9341221	B110	< 0.3
9341222	B103	< 0.3
9341223	B101	< 0.3
9341224	B101	< 0.3
9341225	B100	< 0.3
9341226	B136	< 0.3
9341227	B136	< 0.3
9341228	B140	0.7
9341229	MEDIA CENTER	< 0.3
9341230	A222	< 0.3
9341231	A201	< 0.3
9341232	B220	< 0.3
9341233	C206	0.6
9341234	C206	0.9
9341235	B315	< 0.3
9341236	315	< 0.3
9341237	C307	< 0.3
9348308	OFFICE BLANK	< 0.3

Table 2- Radon Testing Results			
Bethesda Chevy Chase High School			
Test Period: 1/6/2020-1/9/2020			
Kit Number	QC Type	Room / Area	Result
9339791	D	PE OFFICE WOMEN	1
9340655	D	D003	<0.3
9340662	FB	E006	<0.3
9340686	D	F005	<0.3
9340691	D	F125	<0.3
9340693	FB	F100	<0.3
9340683	D	STAGE	<0.3
9341204	D	CAFETERIA	0.8
9341208	FB	A115	<0.3
9341214	D	B112	<0.3
9341224	D	B101	<0.3
9341227	FB	B136	<0.3
9341234	D	C206	0.9
9341236	FB	315	<0.3
9348319	TRANSIT BLANK	NA	<0.3
9348320	TRANSIT BLANK	NA	<0.3
9348313	TRANSIT BLANK	NA	<0.3

Summary of Missed Locations		
Bethesda-Chevy Chase High School		
Test Period: 01/06/2020 - 01/09/2020		
Kit Number	Room/Area	Result
-	N/A	-

Summary of Missing, Compromised and >/= 4 piC/L Tests		
Bethesda-Chevy Chase High School		
Test Period: 01/06/2020 - 01/09/2020		
Kit Number	Room/Area	Result
-	N/A	-

Table Note:
* Missing or Compromised Sample

ATTACHMENT C

Laboratory Analytical Results

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

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

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
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:

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
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:

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
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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EXPOSURE IN BOWSER-MORNER RADON CHAMBER

CLIENT KCI Technologies Inc Job Number 193598

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

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

Time Start: 0830 Time Stop: 0830

(Group 4)
Device No.'s: (20) Char. Bags -

9340061 thru 9340080

52

Avg pCi/L 35.5 RH % 50.1 Temp °F 70.0

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

Time Start: 0835 Time Stop: 0835

(Group 5)
Device No.'s: (20) Char. Bags -

9340081 thru 9340100

Q5

Avg pCi/L 35.5 RH % 50.1 Temp °F 70.0

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

Time Start: 0840 Time Stop: 0840

(Group 6)
Device No.'s: (20) Char. Bags -

9341701 thru 9341720

R5

Avg pCi/L 35.5 RH % 50.1 Temp °F 70.0

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

January 14, 2020 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:

BETHESDA CHEVY CHASE HIGH SCHOOL
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9339782	E030	2020-01-06 @ 8:00 am	2020-01-09 @ 9:00 am	0.7 ± 0.5	2020-01-14
9341236	315	2020-01-06 @ 12:00 pm	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9340666	A030B	2020-01-06 @ 8:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9341205	A105	2020-01-06 @ 10:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341208	A115	2020-01-06 @ 10:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341207	A115	2020-01-06 @ 10:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341231	A201	2020-01-06 @ 11:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341230	A222	2020-01-06 @ 11:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9340685	AUDITORIUM	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	0.6 ± 0.4	2020-01-14
9340679	AUDITORIUM	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9341225	B100	2020-01-06 @ 11:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341223	B101	2020-01-06 @ 11:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341224	B101	2020-01-06 @ 11:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341222	B103	2020-01-06 @ 11:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341220	B105	2020-01-06 @ 11:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341219	B106	2020-01-06 @ 11:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341218	B107	2020-01-06 @ 11:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341217	B109	2020-01-06 @ 11:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341221	B110	2020-01-06 @ 11:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341216	B111	2020-01-06 @ 11:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341213	B112	2020-01-06 @ 10:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341214	B112	2020-01-06 @ 11:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341215	B113	2020-01-06 @ 11:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341211	B114	2020-01-06 @ 10:00 am	2020-01-09 @ 10:00 am	0.7 ± 0.4	2020-01-14
9341212	B115	2020-01-06 @ 10:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341210	B117	2020-01-06 @ 10:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341209	B118	2020-01-06 @ 10:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341201	B126	2020-01-06 @ 10:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340670	B127	2020-01-06 @ 10:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340673	B129	2020-01-06 @ 10:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9341227	B136	2020-01-06 @ 11:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341226	B136	2020-01-06 @ 11:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341228	B140	2020-01-06 @ 11:00 am	2020-01-09 @ 10:00 am	0.7 ± 0.4	2020-01-14
9341232	B220	2020-01-06 @ 12:00 pm	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341235	B315	2020-01-06 @ 12:00 pm	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9340699	C108	2020-01-06 @ 10:00 am	2020-01-09 @ 9:00 am	0.6 ± 0.4	2020-01-14
9340700	C113	2020-01-06 @ 10:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14

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January 14, 2020 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:

BETHESDA CHEVY CHASE HIGH SCHOOL
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9340680	C115	2020-01-06 @ 10:00 am	2020-01-09 @ 9:00 am	0.6 ± 0.4	2020-01-14
9341233	C206	2020-01-06 @ 12:00 pm	2020-01-09 @ 10:00 am	0.6 ± 0.4	2020-01-14
9341234	C206	2020-01-06 @ 12:00 pm	2020-01-09 @ 10:00 am	0.9 ± 0.4	2020-01-14
9341237	C307	2020-01-06 @ 12:00 pm	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341203	CAFETERIA	2020-01-06 @ 10:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9341204	CAFETERIA	2020-01-06 @ 10:00 am	2020-01-09 @ 9:00 am	0.8 ± 0.4	2020-01-14
9341202	CAFETERIA	2020-01-06 @ 10:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340698	CONTROL BOOTH	2020-01-06 @ 10:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9341206	CYBER CAFE	2020-01-06 @ 10:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340655	D003	2020-01-06 @ 8:00 am	2020-01-09 @ 8:00 am	< 0.3	2020-01-14
9340684	D003	2020-01-06 @ 8:00 am	2020-01-09 @ 8:00 am	< 0.3	2020-01-14
9340662	E006	2020-01-06 @ 8:00 am	2020-01-09 @ 8:00 am	< 0.3	2020-01-14
9340669	E006	2020-01-06 @ 8:00 am	2020-01-09 @ 8:00 am	< 0.3	2020-01-14
9340661	E007	2020-01-06 @ 8:00 am	2020-01-09 @ 8:00 am	0.6 ± 0.4	2020-01-14
9340668	E008	2020-01-06 @ 8:00 am	2020-01-09 @ 8:00 am	1.0 ± 0.5	2020-01-14
9339706	E031	2020-01-06 @ 8:00 am	2020-01-09 @ 9:00 am	1.0 ± 0.5	2020-01-14
9339779	E032	2020-01-06 @ 8:00 am	2020-01-09 @ 9:00 am	0.7 ± 0.5	2020-01-14
9339786	E033	2020-01-06 @ 8:00 am	2020-01-09 @ 9:00 am	0.8 ± 0.4	2020-01-14
9340657	E034	2020-01-06 @ 8:00 am	2020-01-09 @ 9:00 am	0.8 ± 0.4	2020-01-14
9340658	E035	2020-01-06 @ 8:00 am	2020-01-09 @ 9:00 am	1.5 ± 0.5	2020-01-14
9340671	F000	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340656	F001	2020-01-06 @ 8:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340665	F003	2020-01-06 @ 8:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340686	F005	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340653	F005	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340667	F006	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340659	F007	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	0.5 ± 0.4	2020-01-14
9340652	F010	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340651	F012	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340650	F014	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340672	F016	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340692	F100	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340693	F100	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340678	F111	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340654	F118	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340674	F125	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340691	F125	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14

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January 14, 2020 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:

BETHESDA CHEVY CHASE HIGH SCHOOL
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9340676	MAIN GYM	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340697	MAIN GYM	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	0.5 ± 0.4	2020-01-14
9341229	MEDIA CENTER	2020-01-06 @ 11:00 am	2020-01-09 @ 10:00 am	< 0.3	2020-01-14
9339727	PE BREAKROOM	2020-01-06 @ 8:00 am	2020-01-09 @ 9:00 am	1.1 ± 0.4	2020-01-14
9339783	PE OFFICE MEN	2020-01-06 @ 8:00 am	2020-01-09 @ 9:00 am	0.8 ± 0.4	2020-01-14
9339781	PE OFFICE WOMEN	2020-01-06 @ 8:00 am	2020-01-09 @ 9:00 am	0.8 ± 0.4	2020-01-14
9339791	PE OFFICE WOMEN	2020-01-06 @ 8:00 am	2020-01-09 @ 9:00 am	1.0 ± 0.4	2020-01-14
9340695	SECOND GYM	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340696	SECOND GYM	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340683	STAGE	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9340677	STAGE	2020-01-06 @ 9:00 am	2020-01-09 @ 9:00 am	< 0.3	2020-01-14
9339705	WRESTLING	2020-01-06 @ 8:00 am	2020-01-09 @ 9:00 am	0.7 ± 0.4	2020-01-14

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

KCI TECHNOLOGIES

ENGINEERS • PLANNERS • SCIENTISTS • CONSTRUCTION MANAGERS

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

Radon Test Kit Chain of Custody

Project Name: MCPS Radon 2019 Week 3

Name of Schools:

1. Bannockburn E.S.
2. Bethesda E.S.
3. Bethesda-Chevy Chase H.S.
4. Bradley Hill E.S.
5. Burning Tree E.S.
6. Burnt Mills E.S.
7. East Silver Springs E.S.
8. Einstein H.S.
9. Flora Singer E.S.
10. Key M.S.
11. Montgomery Blair H.S.
12. Montgomery Knolls E.S.
13. Newport Mills M.S.
14. Oak View E.S.
15. Rock View E.S.
16. Roscoe Nix E.S.
17. Sligo M.S.
18. Spring Mill Center
19. Springbrook H.S.
20. Westland M.S.
21. Woodlin M.S.

	Date	Initials
Radon Test Kits Deployed	1/6/20 to 1/7/20	JM
Radon Test Kits Collected	1/9/20 to 1/10/20	JM
Radon Test Kits Shipped to Lab*	1/10/20	JM
Radon Test Kits Received by Lab*	1/13/202	JM

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

RADON SCREENING SURVEY – FOLLOW-UP BETHESDA-CHEVY CHASE HIGH SCHOOL

4301 East-West Highway, Bethesda, Maryland 20814

EXECUTIVE SUMMARY

Date of Test Report:	3/21/16 Follow-Up
Round of Testing:	Initial Follow-up Post Remediation
# Rooms Tested	7
# Rooms ≥ 4.0 pCi/L:	0
Low Value:	<0.3
High Value:	2.0
Confirmed Rooms ≥ 4.0 pCi/L US EPA Action Level	0

Summary of Sampling Events ≥ 4.0 pCi/L

Room	Result (pCi/L) 1/27/16 Initial	Result (pCi/L) 3/21/16 Follow-Up	Average Result (pCi/L)
A101	0.7 Tampered	0.8	0.8
B126	--- Missing	0.6	0.6
B128	--- Missing	0.7	0.7
B129	--- Missing	<0.3	<0.3
C313	--- Missing	0.6	0.6
E030	1.0 Tampered	2.0	1.5
Main Gym	<0.3 Tampered	<0.3	<0.3

KCI TECHNOLOGIES

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MCPS RADON TESTING

Executive Summary: Bethesda-Chevy Chase High School

Date of Test Report:	3/21/2016
Round of Testing:	Initial Follow-up Post Remediation
# Rooms Tested:	7
# Rooms ≥ 4.0 pCi/L:	0
Low Value:	< 0.3
High Value:	2.0

Project Status:
Retesting 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

March 21, 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 # 12146341.29

Location: Bethesda-Chevy Chase High School
4301 East-West Highway
Bethesda, Maryland 20814

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 Bethesda-Chevy Chase High School, located at 4301 East-West Highway in Bethesda, Maryland 20814 (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 February 23, 2016 and deployed eleven (11) 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 February 26, 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. Note that strong storms and heavy rainfall were recorded during the test period. The unusual weather conditions may have resulted in atypical radon test results for this facility.

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

The field blank, 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 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

*Office blanks were submitted at a rate of 1% for all samples deployed in Phase 9 testing. Office blanks were not submitted under each school individually.

Radon Testing Results		
Bethesda-Chevy Chase High School		
Test Period: 02/23/16-02/26/16		
Kit Number	**Room / Area**	**Result**
7719195	A101	0.7
7717380	A101	0.8
7719171	B126	0.6
7719196	B128	0.7
7719187	B129	< 0.3
7719488	C313	0.6
7719184	E030	2.0
7719179	GYM	< 0.3
7719180	GYM	< 0.3

Table Note:
* Missing or Compromised Sample

Radon Testing Results		
Bethesda-Chevy Chase High School		
Test Period: 02/23/16-02/26/16		
Kit Number	**QC Type**	**Result**
7719494	D (B129)	< 0.3
7719181	FB (A101)	< 0.3

Table Note:
* Missing or Compromised Sample

ATTACHMENT C

Laboratory Analytical Results

March 8, 2016

** LABORATORY ANALYSIS REPORT **

Radon test result report for:

BETHESDA-CHEVY CHASE HIGH SCHOOL
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
7717380	A101	2016-02-23 @ 10:00 am	2016-02-26 @ 10:00 am	0.8 ± 0.3	2016-03-01
7719181	A101	2016-02-23 @ 10:00 am	2016-02-26 @ 10:00 am	< 0.3	2016-03-01
7719195	A101	2016-02-23 @ 10:00 am	2016-02-26 @ 10:00 am	0.7 ± 0.3	2016-03-01
7719171	B126	2016-02-23 @ 10:00 am	2016-02-26 @ 10:00 am	0.6 ± 0.3	2016-03-01
7719196	B128	2016-02-23 @ 10:00 am	2016-02-26 @ 10:00 am	0.7 ± 0.3	2016-03-01
7719187	B129	2016-02-23 @ 10:00 am	2016-02-26 @ 10:00 am	< 0.3	2016-03-01
7719494	B129	2016-02-23 @ 10:00 am	2016-02-26 @ 10:00 am	< 0.3	2016-03-01
7719488	C313	2016-02-23 @ 11:00 am	2016-02-26 @ 10:00 am	0.6 ± 0.3	2016-03-01
7719184	E030	2016-02-23 @ 10:00 am	2016-02-26 @ 10:00 am	2.0 ± 0.3	2016-03-01
7719179	GYM	2016-02-23 @ 10:00 am	2016-02-26 @ 10:00 am	< 0.3	2016-03-01
7719180	GYM	2016-02-23 @ 10:00 am	2016-02-26 @ 10:00 am	< 0.3	2016-03-01

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

March 9, 2016

** LABORATORY ANALYSIS REPORT **

Radon test result report for:

MCPS
Phase 9 Office Blanks

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
7712568	0	2016-02-22 @ 6:00 pm	2016-02-25 @ 3:00 pm	< 0.3	2016-02-29
7712584	0	2016-02-22 @ 6:00 pm	2016-02-25 @ 3:00 pm	< 0.3	2016-02-29
7719460	0	2016-02-22 @ 6:00 pm	2016-02-25 @ 3:00 pm	< 0.3	2016-02-29
7719481	0	2016-02-22 @ 6:00 pm	2016-02-25 @ 3:00 pm	< 0.3	2016-02-29
7719497	0	2016-02-22 @ 6:00 pm	2016-02-25 @ 3:00 pm	< 0.3	2016-02-29
7719498	0	2016-02-22 @ 6:00 pm	2016-02-25 @ 3:00 pm	< 0.3	2016-02-29

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March 9, 2016

** LABORATORY ANALYSIS REPORT **

Radon test result report for:

MCPS
Phase 9 Office Blanks

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
7731626	0	2016-02-23 @ 2:00 pm	2016-02-26 @ 3:00 pm	< 0.3	2016-03-01
7731633	0	2016-02-23 @ 2:00 pm	2016-02-26 @ 3:00 pm	< 0.3	2016-03-01
7735204	0	2016-02-23 @ 2:00 pm	2016-02-26 @ 3:00 pm	< 0.3	2016-03-01

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February 23, 2016

** LABORATORY ANALYSIS REPORT **

Radon test result report for:

TRANSIT- PHASE 7, 8, 9
NONE

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
7734937	1	2016-02-19 @ 3:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734946	10	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734955	11	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734956	12	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734959	13	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734930	14	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734953	15	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734954	16	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734940	17	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734949	18	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734948	19	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734939	2	2016-02-19 @ 3:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734942	20	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734929	21	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734933	22	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734934	23	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734936	24	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734943	25	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734944	26	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734935	27	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734928	28	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734952	29	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734947	3	2016-02-19 @ 3:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734931	30	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734932	31	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7718520	32	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7718523	33	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7718522	34	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7718521	35	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734945	4	2016-02-19 @ 3:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734960	5	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734958	6	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734951	7	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734957	8	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23
7734938	9	2016-02-19 @ 4:00 pm	2016-02-22 @ 11:00 am	< 0.3	2016-02-23

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

February 15, 2016

** LABORATORY ANALYSIS REPORT **

Spike Sample Laboratory Results

Radon test result report for:

MCPS

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
7718273	101A	2016-01-30 @ 9:00 am	2016-02-01 @ 9:00 am	6.5 ± 0.6	2016-02-04
7718281	102B	2016-01-30 @ 9:00 am	2016-02-01 @ 9:00 am	6.4 ± 0.6	2016-02-04
7718282	103C	2016-01-30 @ 9:00 am	2016-02-01 @ 9:00 am	6.3 ± 0.6	2016-02-04
7718288	104D	2016-01-30 @ 9:00 am	2016-02-01 @ 9:00 am	6.7 ± 0.6	2016-02-04
7718289	105E	2016-01-30 @ 9:00 am	2016-02-01 @ 9:00 am	6.6 ± 0.6	2016-02-04
7718291	106F	2016-01-30 @ 9:00 am	2016-02-01 @ 9:00 am	6.5 ± 0.6	2016-02-04

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

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 KCF Technologies Inc. Job Number 173704

NOMINAL Conditions: Radon Conc 5.9 pCi/L Rel. Hum 45.9 % Temp. 79.0 F

Date Start: 1/30/16 Date Stop: 2/1/16	Date Start: _____ Date Stop: _____
Time Start: 0926 Time Stop: 0926	Time Start: _____ Time Stop: _____
Device No.'s: (6) Char. Bags -	Device No.'s: _____
7718281, 7718282, 7718291,	_____
7718288, 7718289, 7718273	_____
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

KCI TECHNOLOGIES

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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 Phase 9

Name of Schools:

1. Rocking Horse Road ES
2. Rockwell ES
3. Oakland Terrace ES
4. Rosemont ES
5. Beall ES
6. Cresthaven ES
7. Quince Orchard HS
8. Smith Center
9. Ashburton ES
10. Bannockburn ES
11. Bradley Hills ES
12. Cannon Road ES
13. Flora M. Singer ES
14. Clarksburg HS
15. Briggs Chaney MS
16. Broad Acres ES
17. Belmont ES
18. Emory Grove Center
19. Forest Knolls ES
20. Baker MS
21. MLK MS
22. Richard Montgomery HS
23. Sherwood HS
24. Walter Johnson HS
25. Diamond ES
26. Newport Mill MS
27. Drew ES
28. Monocacy ES
29. Potomac ES
30. Rock Terrace School
31. Rosa Parks MS
32. Rosemary Hills ES
33. Sequoyah ES
34. Damascus HS
35. Einstein ES
36. Forest Oak MS
37. Hoover MS
38. Julius West MS
39. John F. Kennedy HS
40. Travilah ES
41. Watkins Mill HS
42. Northwood HS
43. Lincoln Center

	Date	Initials
Radon Test Kits Deployed	2/22/16	JM
Radon Test Kits Collected	2/25/16	JM
Radon Test Kits Shipped to Lab*	2/25/16	JM
Radon Test Kits Received by Lab*	2/29/16	JM

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

KCI TECHNOLOGIES

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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 Phase 9

Name of Schools:

1. Banneker MS
2. Bethesda-Chevy Chase HS
3. Burtonsville ES
4. Chevy Chase ES
5. Clopper Mill ES
6. Edison HS
7. Flower Hill ES
8. Flower Valley ES
9. Greencastle ES
10. Maryvale ES
11. Montgomery Blair HS
12. Poolesville HS
13. Rachel Carson ES
14. Stedwick ES
15. Watkins Mill ES
16. Laytonsville ES
17. Lincoln Center

	Date	Initials
Radon Test Kits Deployed	2/23/16	JM
Radon Test Kits Collected	2/26/16	JM
Radon Test Kits Shipped to Lab*	2/26/16	JM
Radon Test Kits Received by Lab*	3/01/16	JM

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

KCI TECHNOLOGIES

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MCPS RADON TESTING

Executive Summary: Bethesda-Chevy Chase High School

Date of Test Report:	1/27/2016
Round of Testing:	Initial Follow-up Post Remediation
# Rooms Tested:	75
# Rooms ≥ 4.0 pCi/L:	0
Low Value:	< 0.3
High Value:	2.0

Project Status:
Initial testing completed; missing or compromised samples need re-test.

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: Bethesda-Chevy Chase High School
4301 East-West Highway
Bethesda, MD 20814

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 Bethesda-Chevy Chase High School, located at 4301 East-West Highway in Bethesda, Maryland 20814 (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 eighty-five (85) 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 blank, 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		
Bethesda Chevy Chase HS		
Test Period: 01/04/16-01/07/16		
Kit Number	**Room / Area**	**Result**
7720458	2ND GYM	< 0.3
7720459	2ND GYM	0.6
7720420	A101	0.9
7720419	* A101 (Tampered)	0.7
7720421	A102	2
7720483	A411	< 0.3
7720484	A418	0.9
7720401	B100	< 0.3
7720402	B101	0.6
7720405	B103	< 0.3
7720410	B105	1.1
7720412	B106	1.1
7720411	B107	< 0.3
7720413	B109	< 0.3
7720409	B110	< 0.3
7720414	B111	0.5
7720415	B112	0.6
7720417	B113	< 0.3
7720407	B114	0.6
7720416	B115	0.6
7720406	B117	< 0.3
7720418	B118	< 0.3
7720422	B126	0.6
7720423	* B126 (Missing)	0
7720424	B127	0.7
7720426	* B128 (Missing)	0
7720427	* B129 (Missing)	0
7720428	B131	0.8
7720452	B136	< 0.3
7720453	B140	0.8
7720478	B219	0.7
7720477	B220	< 0.3
7720476	B221	< 0.3
7720475	B226	0.8
7720431	C101	1.1
7720432	C101A	1.1
7720433	C102	1.1
7720434	C104	1.1
7720435	C105	0.7
7720436	C106	0.9
7720437	C107	0.7
7720438	C108	0.9
7720442	C109	0.6
7720439	C110	1
7720444	C111	0.6
7720443	C112	0.6

Table Note:
* Missing or Compromised Sample

Radon Testing Results		
Bethesda Chevy Chase HS		
Test Period: 01/04/16-01/07/16		
Kit Number	**Room / Area**	**Result**
7720446	C113	1
7720445	C114	0.6
7720447	C115	0.6
7720482	C310	< 0.3
7720481	C312	0.7
7720480	* C313 (Missing)	0
7720479	C314	0.7
7720460	D003	1
7720465	D004	1
7720467	D008A	0.9
7720468	D009	1.5
7720454	D104	0.7
7720455	D104	1.3
7720461	E006	0.9
7720463	E006A	1.3
7720462	E007	1
7720471	* E020 (Tampered)	1
7720469	E030	1.5
7720470	E031	1.2
7720472	E032	1.6
7720473	E033	1.4
7720474	E034	1.6
7720449	E102	0.9
7720450	E102	< 0.3
7720451	E102A	< 0.3
7720456	MAIN GYM	< 0.3
7720457	* MAIN GYM (Tampered)	< 0.3

Table Note:
* Missing or Compromised Sample

Radon Testing Results		
Bethesda Chevy Chase HS		
Test Period: 01/04/16-01/07/16		
Kit Number	**QC Type**	**Result**
7720403	D (B101)	< 0.3
7720408	D (B114)	0.6
7720425	D (B127)	< 0.3
7720429	D (B131)	0.6
7720440	D (C110)	0.6
7720448	D (C113)	< 0.3
7720404	FB (B101)	< 0.3
7720430	FB (B131)	< 0.3
7720441	FB (C110)	< 0.3
7712530	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:

BETHESDA CHEVY CHASE HS
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
7712530	0	2016-01-04 @ 6:00 pm	2016-01-07 @ 3:00 pm	< 0.3	2016-01-11
7720458	2ND GYM	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7720459	2ND GYM	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-12
7720420	A101	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.9 ± 0.3	2016-01-11
7720419	A101	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.7 ± 0.4	2016-01-12
7720421	A102	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	2.0 ± 0.4	2016-01-12
7720483	A411	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	< 0.3	2016-01-12
7720484	A418	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	0.9 ± 0.3	2016-01-12
7720401	B100	2016-01-04 @ 8:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-12
7720402	B101	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-12
7720403	B101	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-12
7720404	B101	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-12
7720405	B103	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7720410	B105	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	1.1 ± 0.4	2016-01-12
7720412	B106	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	1.1 ± 0.4	2016-01-12
7720411	B107	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-12
7720413	B109	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-12
7720409	B110	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7720414	B111	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.5 ± 0.3	2016-01-11
7720415	B112	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.4	2016-01-12
7720417	B113	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7720407	B114	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-12
7720408	B114	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.4	2016-01-12
7720416	B115	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-11
7720406	B117	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-12
7720418	B118	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-12
7720423	B126	@	@		
7720422	B126	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-12
7720425	B127	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7720424	B127	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.7 ± 0.3	2016-01-12
7720426	B128	@	@		
7720427	B129	@	@		
7720429	B131	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-11
7720428	B131	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.8 ± 0.4	2016-01-12
7720430	B131	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-12
7720452	B136	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-12
7720453	B140	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	0.8 ± 0.4	2016-01-12

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:

BETHESDA CHEVY CHASE HS
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
7720478	B219	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	0.7 ± 0.4	2016-01-12
7720477	B220	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	< 0.3	2016-01-12
7720476	B221	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	< 0.3	2016-01-12
7720475	B226	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	0.8 ± 0.4	2016-01-12
7720431	C101	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	1.1 ± 0.3	2016-01-11
7720432	C101A	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	1.1 ± 0.4	2016-01-12
7720433	C102	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	1.1 ± 0.4	2016-01-12
7720434	C104	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	1.1 ± 0.3	2016-01-11
7720435	C105	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.7 ± 0.3	2016-01-12
7720436	C106	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.9 ± 0.3	2016-01-11
7720437	C107	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.7 ± 0.3	2016-01-11
7720438	C108	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.9 ± 0.3	2016-01-11
7720442	C109	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-11
7720439	C110	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	1.0 ± 0.3	2016-01-11
7720440	C110	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-11
7720441	C110	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7720444	C111	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-12
7720443	C112	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-12
7720446	C113	2016-01-04 @ 9:00 am	2016-01-07 @ 10:00 am	1.0 ± 0.3	2016-01-11
7720448	C113	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-12
7720445	C114	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.3	2016-01-12
7720447	C115	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.6 ± 0.4	2016-01-12
7720482	C310	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	< 0.3	2016-01-12
7720481	C312	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	0.7 ± 0.4	2016-01-12
7720480	C313	@	@		
7720479	C314	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	0.7 ± 0.4	2016-01-12
7720460	D003	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	1.0 ± 0.4	2016-01-12
7720465	D004	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	1.0 ± 0.3	2016-01-11
7720466	D008	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	1.5 ± 0.4	2016-01-12
7720467	D008A	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	0.9 ± 0.3	2016-01-11
7720468	D009	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	1.5 ± 0.4	2016-01-12
7720454	D104	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	0.7 ± 0.3	2016-01-11
7720455	D104	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	1.3 ± 0.4	2016-01-12
7720461	E006	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	0.9 ± 0.4	2016-01-12
7720463	E006A	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	1.3 ± 0.3	2016-01-11
7720462	E007	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	1.0 ± 0.4	2016-01-12
7720464	E008	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	1.0 ± 0.4	2016-01-12

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:

BETHESDA CHEVY CHASE HS
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
7720471	E020	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	1.0 ± 0.4	2016-01-12
7720469	E030	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	1.5 ± 0.3	2016-01-11
7720470	E031	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	1.2 ± 0.3	2016-01-11
7720472	E032	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	1.6 ± 0.3	2016-01-11
7720473	E033	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	1.4 ± 0.4	2016-01-12
7720474	E034	2016-01-04 @ 10:00 am	2016-01-07 @ 10:00 am	1.6 ± 0.4	2016-01-12
7720449	E102	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	0.9 ± 0.4	2016-01-12
7720450	E102	2016-01-04 @ 9:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-12
7720451	E102A	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7720457	MAIN GYM	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-11
7720456	MAIN GYM	2016-01-04 @ 10:00 am	2016-01-07 @ 9:00 am	< 0.3	2016-01-12

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

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

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

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