CTL | THOMPSON
Founded in 1971

September 27, 2022

Columbia Ventures, LLC
1454 La France Street, Suite 200
Atlanta, GA 30307

Attention: Diana Stoian

Subject: Radon Testing
48th and Race Center
2101, 2111, and 2121 East 48th Avenue
Denver, Colorado
Project No. DN50,212.000-235-L1

CTL | Thompson, Inc. (CTL|T) was requested to conduct radon testing at the 48th and Race Center located in Denver, Colorado per our Service Agreement DN 19-0441-CM2 dated March 7, 2022. We placed 19 short-term charcoal radon cannisters throughout the building. We visited the site on March 25, 2022 and placed the test canisters with the assistance of Mr. Don Bronson of Rocky Mountain Radon Control, LLC. CTL|T returned to the site on March 28, 2022, to collect the canisters.

Radon Testing

The canisters were placed throughout the building, generally as per industry standards. 11 Cannisters were placed in the first-floor units, one was placed in a first floor office, five were placed in the second-floor units, and two were placed on the fourth-floor in units near the elevator shafts. The canisters were placed at least 20 inches above the ground, and away from outside walls, drains, and bathrooms. The canisters were not placed in areas that were likely to have an obvious draft, excessive heat, or sunlight exposure. Windows remained closed, to the best of our knowledge, and we believe that closed building conditions were generally maintained. The HVAC systems appeared to be in normal operation.

The vinyl tape and lid were removed from the canisters and the canisters were placed so that the screens were facing up. Upon arrival of our second visit to collect the canisters, they appeared to be undisturbed, and the original lids and vinyl tape were used to reseal the canisters.

The approximate locations of the placement of the canisters, as well as a summary of the laboratory results, are shown on Figure 1. The laboratory results are also summarized below in Table I. The laboratory reports are provided in Attachment A.

CTL|T submitted the test canisters to Rocky Mountain Radon Control, LLC of Littleton, Colorado.

Table I
Radon Test Results

Cannister No.	General Location	Exposure Time (Hours)	Decay Time (Hours)	Decay Factor	Efficiency	Radon Concentration
1	First Floor Unit 101	72.08	56.97	0.6501	3.1380	3.0 pCi/L +/- 10%
2	First Floor Unit 102	72.10	56.88	0.6505	3.1380	2.2 pCi/L +/ 10%
3	**First Floor Unit 103**	**72.15**	**56.79**	**0.6510**	**3.1380**	**5.7 pCi/L +/- 10%**
4	First Floor Unit 104	72.12	56.98	0.6501	3.1380	2.6 pCi/L +/- 10%
5	**First Floor Unit 105**	**72.15**	**56.54**	**0.6522**	**3.1380**	**6.4 pCi/L +/- 10%**
6	First Floor Unit 107	72.18	56.59	0.6520	3.1380	3.0 pCi/L +/- 10%
7	First Floor Unit 111	72.20	56.53	0.6522	3.1380	1.6 pCi/L +/- 10%
8	**First Floor Unit 113**	**72.22**	**56.56**	**0.6521**	**3.1380**	**3.9 pCi/L +/- 10%**
9	First Floor Unit 114	72.25	56.56	0.6521	3.1380	1.6 pCi/L +/- 10%
10	First Floor Unit 115	72.28	56.26	0.6536	3.1380	2.1 pCi/L +/- 10%
11	First Floor Unit 116	72.30	56.25	0.6536	3.1380	1.9 pCi/L+/- 10%
12	Second Floor Unit 226	72.32	56.24	0.6537	3.1380	1.5 pCi/L +/- 10%
13	Second Floor Unit 233	72.33	56.25	0.6536	3.1380	2.2 pCi/L +/- 10%
14	Second Floor Unit 245	72.35	56.22	0.6538	3.1380	1.3 pCi/L +/- 10%
15	Second Floor Unit 201	72.38	56.01	0.6548	3.1380	1.0 pCi/L +/- 10%
16	Second Floor Unit 217	72.40	55.95	0.6551	3.1380	<0.5 pCi/L +/- 10%
17	Fourth Floor Unit 425	72.42	55.88	0.6555	3.1380	0.8 pCi/L +/- 10%
18	Fourth Floor Unit 407	72.43	56.78	0.6560	3.1380	1.5 pCi/L +/- 10%
19	First Floor Office	71.53	56.77	0.6511	3.1380	1.0 pCi/L +/- 10%

Note: pCi/L – picocuries of Radon per Liter of Air
Information presented is generally as it was provided by the laboratory

The EPA recommends that a follow-up test and possible remediation when radon levels are at or above 4 pCi/L. The results of this testing indicate that radon levels are below the EPA action level in 17 of the 19 areas tested. CTL was aware that the building contained a passive radon remediation system that was electrically wired and ready

to be made active. As such, CTL|T recommended that the system be made active, prior to performing a follow-up test.

Once the system was active, CTL|T contracted Envirotech Pros (Envirotech) to visit the site and perform retests within Units 103, 105, and 113. Envirotech visited the site and placed two cannisters in each of the three units on September 19, 2022. Envirotech then returned on September 21, 2022 and collected the cannisters. The test canisters were submitted to Radon Measurements Lab in Colorado Springs, Colorado for analysis. Table II presents a summary of these test results; the test results are also presented on Figure 1. The laboratory report is also included in Attachment A.

Table II
Radon Test Results (Retest – Unit 103, 105, and 113)

Cannister/Unit	Radon Concentration	Average of Results
Canister No. 122440 (Unit 103)	0.64 pCi/L +/- 0.07	0.645 pCi/L +/- 0.07
Canister No. 122461 (Unit 103)	0.65 pCi/L +/- 0.07	
Canister No. 122462 (Unit 105)	0.78 pCi/L +/- 0.07	0.73 pCi/L +/- 0.07
Canister No. 122473 (Unit 105)	0.68 pCi/L +/- 0.07	
Canister No. 122460 (Unit 113)	0.57 pCi/L +/- 0.07	0.59 pCi/L +/- 0.07
Canister No. 122480 (Unit 113)	0.61 pCi/L +/- 0.07	

Note: pCi/L – picocuries of Radon per Liter of Air
Information presented is generally as it was provided by the laboratory

The result of the tests after the system was made active indicates that the radon levels are now below the EPA action level in Units 103, 105, and 113. We do not recommend further action.

Limitations

We believe our services were conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the environmental consulting profession currently practicing under similar conditions in the locality of the project. No warranty, expressed or implied, is made. Radon test laboratory results are representative of the number of tests conducted, as well as the conditions at the site at the time of the testing. Many factors can affect testing results, including, but not limited to: underlying geologic conditions, outside temperature, wind, and HVAC system conditions/settings. Test results can vary from one room to another, especially in large structures. There is

no level of radon that is considered safe. Although the EPA action level for radon is 4 pCi/L, the EPA also suggests considering mitigation if levels are above 2 pCi/L, as 2 pCi/L or below is believed to be achievable in most buildings. Results were provided by independent laboratories. CTL|T is not responsible for data presented by others. In addition, long-term radon testing (91 days to 1 year in duration) would provide a greater sense of the average radon levels present in the building over a longer period of time.

We appreciate this opportunity to provide service. Please call if you have questions or if we can be of further assistance.

Very truly yours,

CTL | THOMPSON, INC.

Trevor J Truett
Environmental Scientist

Reviewed by:

Matthew L. Wardlow, P.E.
Environmental Department Manager

Attachments:

Figure 1 – Approximate Sample Locations and Summary of Results – 1st Floor
Figure 2 – Approximate Sample Locations and Summary of Results – 2nd Floor
Figure 3 – Approximate Sample Locations and Summary of Results – 4th Floor
Attachment A: Laboratory Reports

Via e-mail: dstoian@columbiaven.com
carter@i-kota.com

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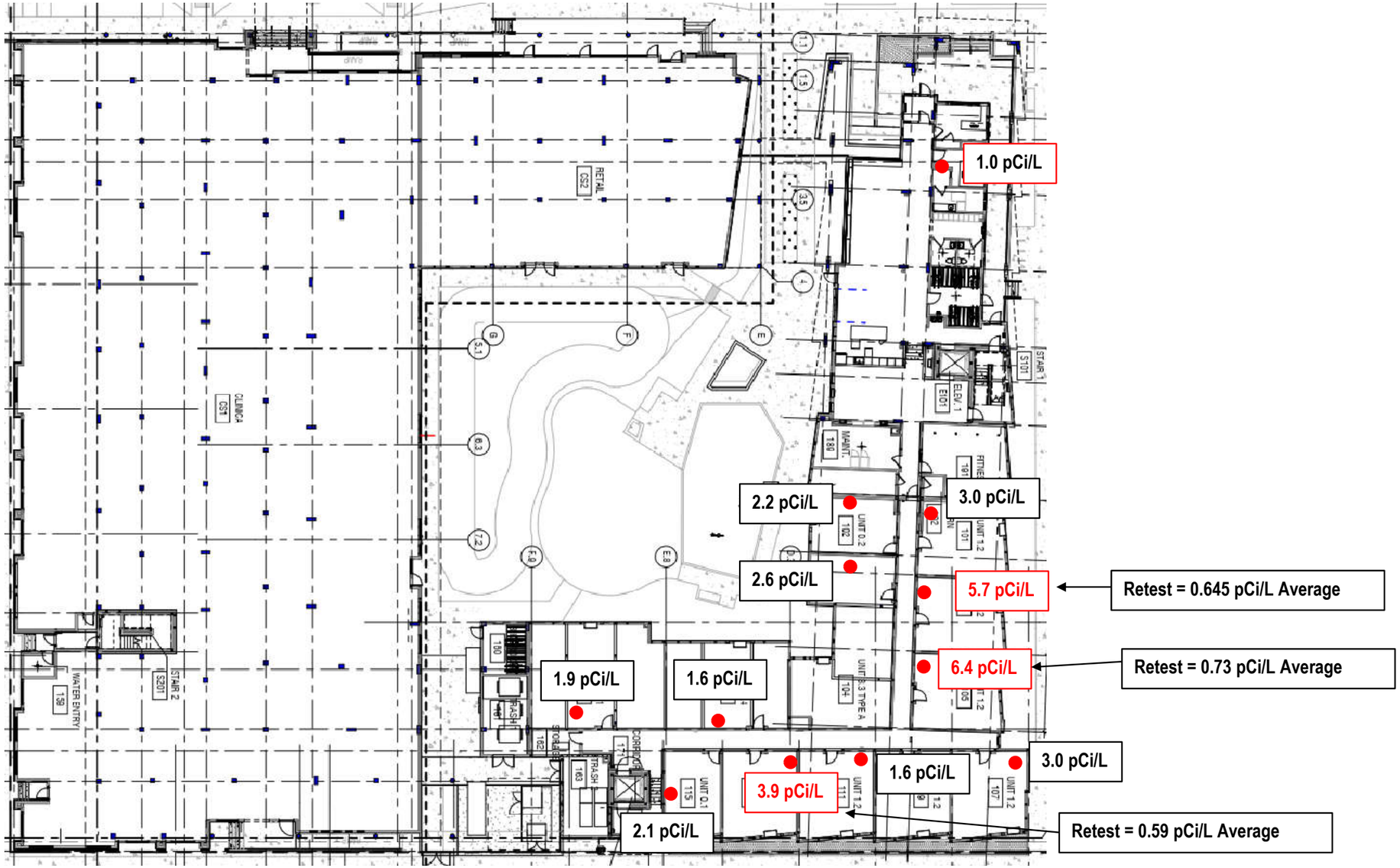

48th AND RACE CENTER
RADON TESTING
DN50,212.000-235-L1

FIGURE 1
APPROXIMATE SAMPLE LOCATIONS AND SUMMARY OF RESULTS – 1ST FLOOR

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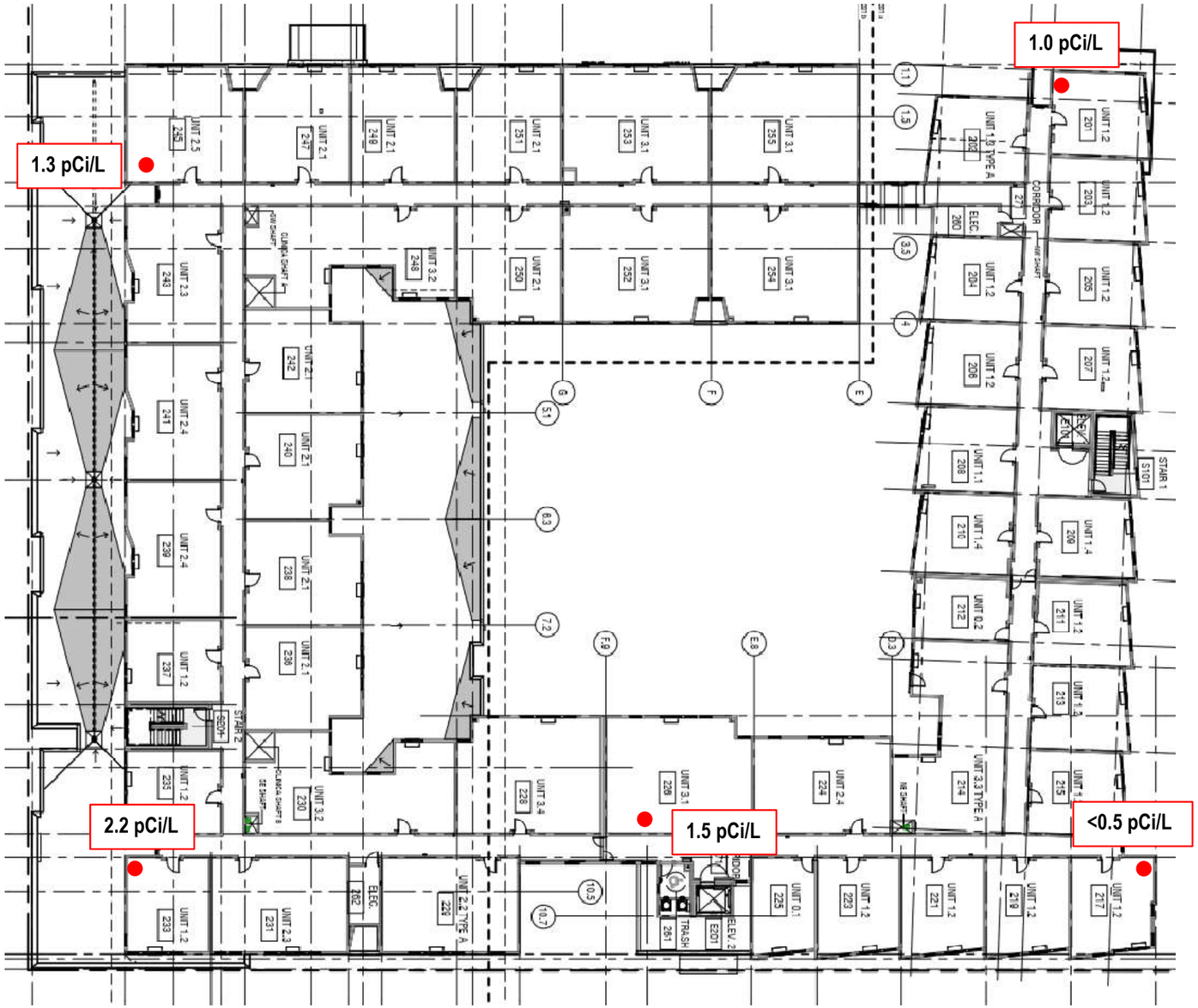
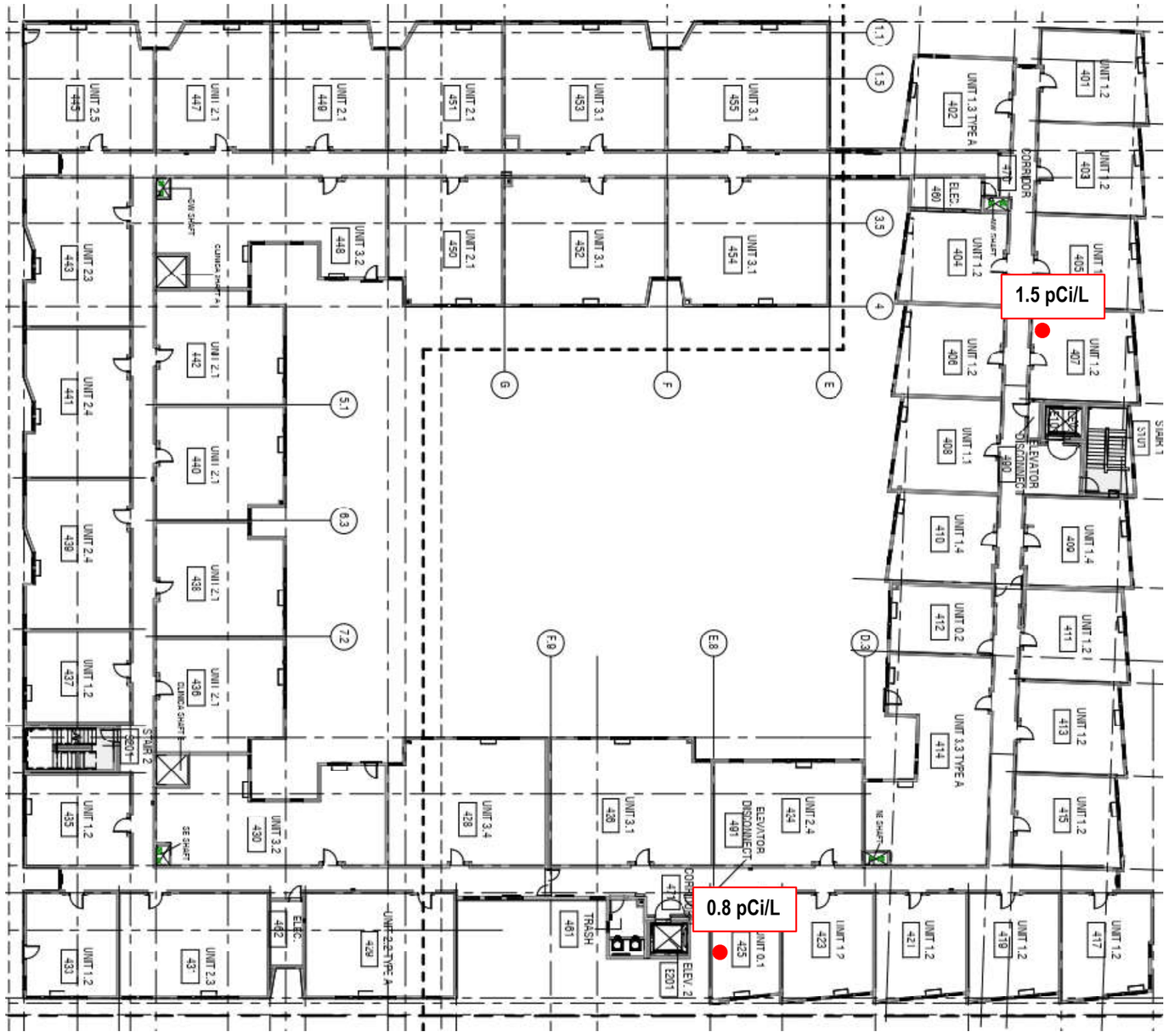


48th AND RACE CENTER
RADON TESTING
DN50,212.000-235-L1

FIGURE 2
APPROXIMATE SAMPLE LOCATIONS AND SUMMARY OF RESULTS – 2nd FLOOR

N



48th AND RACE CENTER
RADON TESTING
DN50,212.000-235-L1

FIGURE 3
APPROXIMATE SAMPLE LOCATIONS AND SUMMARY OF RESULTS – 4th FLOOR

ATTACHMENT A
LABORATORY RESULTS

Rocky Mountain Radon Control, llc
8156-E S. Wadsworth Blvd #366
Littleton, CO 80128 (303) 980-1961

Customer	CTL Thompson
Address	48th & Vine St. Denver, CO
Start date	03/25/22
Start Time	11:04
Stop Date	3/28/22
Stop Time	11:09
Count Date	03/29/22
Count Time	8:05
Canister Counts	7120
BK Counts	4670
Standard counts	79355
Cal factor	0.094
Location	Unit 101
Canister #	1
NOTE:	

Exposure Time	72.08
Decay Time	56.97
Decay Factor	0.6501
Efficiency	3.1380

Radon Concentration **3.0** pCi/L **+/-** **10%**

Rocky Mountain Radon Control, llc (RMRC) is not responsible for the improper use or placement of canisters. Reliability of the results may be subject to marked variability. RMRC's liability is limited solely to the cost of the canisters provided.

The E.P.A. and the Centers for Disease Control have set a CONTINUOUS EXPOSURE Level of 4pCi/l as a guidance level for further testing and/or remedial action.

NEHA ID: 100307RT/101098 ALI

Rocky Mountain Radon Control, llc
8156-E S. Wadsworth Blvd #366
Littleton, CO 80128 (303) 980-1961

Customer	CTL Thompson
Address	48th & Vine St. Denver, CO
Start date	03/25/22
Start Time	11:05
Stop Date	3/28/22
Stop Time	11:11
Count Date	03/29/22
Count Time	8:01
Canister Counts	6470
BK Counts	4670
Standard counts	79355
Cal factor	0.094
Location	Unit 102
Canister #	2
NOTE:	

Exposure Time	72.10
Decay Time	56.88
Decay Factor	0.6505
Efficiency	3.1380

Radon Concentration **2.2** pCi/L **+/-** **10%**

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NEHA ID: 100307RT/101098 ALI

Rocky Mountain Radon Control, llc
8156-E S. Wadsworth Blvd #366
Littleton, CO 80128 (303) 980-1961

Customer	CTL Thompson
Address	48th & Vine St. Denver, CO
Start date	03/25/22
Start Time	11:07
Stop Date	3/28/22
Stop Time	11:16
Count Date	03/29/22
Count Time	7:59
Canister Counts	9380
BK Counts	4670
Standard counts	79355
Cal factor	0.094
Location	Unit 103
Canister #	3
NOTE:	

Exposure Time	72.15
Decay Time	56.79
Decay Factor	0.6510
Efficiency	3.1380

Radon Concentration **5.7** pCi/L **+/-** **10%**

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NEHA ID: 100307RT/101098 ALI

Rocky Mountain Radon Control, llc
8156-E S. Wadsworth Blvd #366
Littleton, CO 80128 (303) 980-1961

Customer	CTL Thompson
Address	48th & Vine St. Denver, CO
Start date	03/25/22
Start Time	11:08
Stop Date	3/28/22
Stop Time	11:15
Count Date	03/29/22
Count Time	8:10
Canister Counts	6815
BK Counts	4670
Standard counts	79355
Cal factor	0.094
Location	Unit 104
Canister #	4
NOTE:	

Exposure Time	72.12
Decay Time	56.98
Decay Factor	0.6501
Efficiency	3.1380

Radon Concentration **2.6** pCi/L **+/-** **10%**

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Rocky Mountain Radon Control, llc
8156-E S. Wadsworth Blvd #366
Littleton, CO 80128 (303) 980-1961

Customer	CTL Thompson
Address	48th & Vine St. Denver, CO
Start date	03/25/22
Start Time	11:10
Stop Date	3/28/22
Stop Time	11:19
Count Date	03/29/22
Count Time	7:47
Canister Counts	9985
BK Counts	4670
Standard counts	79355
Cal factor	0.094
Location	Unit 105
Canister #	5
NOTE:	

Exposure Time	72.15
Decay Time	56.54
Decay Factor	0.6522
Efficiency	3.1380

Radon Concentration **6.4** pCi/L **+/- 10%**

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Rocky Mountain Radon Control, llc
8156-E S. Wadsworth Blvd #366
Littleton, CO 80128 (303) 980-1961

Customer	CTL Thompson
Address	48th & Vine St. Denver, CO
Start date	03/25/22
Start Time	11:11
Stop Date	3/28/22
Stop Time	11:22
Count Date	03/29/22
Count Time	7:52
Canister Counts	7165
BK Counts	4670
Standard counts	79355
Cal factor	0.094
Location	Unit 106
Canister #	6
NOTE:	

Exposure Time	72.18
Decay Time	56.59
Decay Factor	0.6520
Efficiency	3.1380

Radon Concentration **3.0** pCi/L **+/-** **10%**

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NEHA ID: 100307RT/101098 ALI

Rocky Mountain Radon Control, llc
8156-E S. Wadsworth Blvd #366
Littleton, CO 80128 (303) 980-1961

Customer	CTL Thompson
Address	48th & Vine St. Denver, CO
Start date	03/25/22
Start Time	11:12
Stop Date	3/28/22
Stop Time	11:24
Count Date	03/29/22
Count Time	7:50
Canister Counts	6040
BK Counts	4670
Standard counts	79355
Cal factor	0.094
Location	Unit 107
Canister #	7
NOTE:	

Exposure Time	72.20
Decay Time	56.53
Decay Factor	0.6522
Efficiency	3.1380

Radon Concentration **1.6** pCi/L **+/-** **10%**

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Rocky Mountain Radon Control, llc
8156-E S. Wadsworth Blvd #366
Littleton, CO 80128 (303) 980-1961

Customer	CTL Thompson
Address	48th & Vine St. Denver, CO
Start date	03/25/22
Start Time	11:14
Stop Date	3/28/22
Stop Time	11:27
Count Date	03/29/22
Count Time	7:54
Canister Counts	7885
BK Counts	4670
Standard counts	79355
Cal factor	0.094
Location	Unit 108 (Unit 113)
Canister #	8
NOTE:	

Exposure Time	72.22
Decay Time	56.56
Decay Factor	0.6521
Efficiency	3.1380

Radon Concentration **3.9** pCi/L **+/-** **10%**

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Rocky Mountain Radon Control, llc
8156-E S. Wadsworth Blvd #366
Littleton, CO 80128 (303) 980-1961

Customer	CTL Thompson
Address	48th & Vine St. Denver, CO
Start date	03/25/22
Start Time	11:14
Stop Date	3/28/22
Stop Time	11:29
Count Date	03/29/22
Count Time	7:55
Canister Counts	5965
BK Counts	4670
Standard counts	79355
Cal factor	0.094
Location	unit 114
Canister #	9
NOTE:	

Exposure Time	72.25
Decay Time	56.56
Decay Factor	0.6521
Efficiency	3.1380

Radon Concentration **1.6** pCi/L **+/-** **10%**

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NEHA ID: 100307RT/101098 ALI

Rocky Mountain Radon Control, llc
8156-E S. Wadsworth Blvd #366
Littleton, CO 80128 (303) 980-1961

Customer	CTL Thompson
Address	48th & Vine St. Denver, CO
Start date	03/25/22
Start Time	11:15
Stop Date	3/28/22
Stop Time	11:32
Count Date	03/29/22
Count Time	7:39
Canister Counts	6405
BK Counts	4670
Standard counts	79355
Cal factor	0.094
Location	Unit 115
Canister #	10
NOTE:	

Exposure Time	72.28
Decay Time	56.26
Decay Factor	0.6536
Efficiency	3.1380

Radon Concentration **2.1** pCi/L **+/-** **10%**

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Rocky Mountain Radon Control, llc
8156-E S. Wadsworth Blvd #366
Littleton, CO 80128 (303) 980-1961

Customer	CTL Thompson
Address	48th & Vine St. Denver, CO
Start date	03/25/22
Start Time	11:16
Stop Date	3/28/22
Stop Time	11:34
Count Date	03/29/22
Count Time	7:40
Canister Counts	6240
BK Counts	4670
Standard counts	79355
Cal factor	0.094
Location	Unit 116
Canister #	11
NOTE:	

Exposure Time	72.30
Decay Time	56.25
Decay Factor	0.6536
Efficiency	3.1380

Radon Concentration **1.9** pCi/L **+/-** **10%**

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Rocky Mountain Radon Control, llc
8156-E S. Wadsworth Blvd #366
Littleton, CO 80128 (303) 980-1961

Customer	CTL Thompson
Address	48th & Vine St. Denver, CO
Start date	03/25/22
Start Time	11:19
Stop Date	3/28/22
Stop Time	11:38
Count Date	03/29/22
Count Time	7:43
Canister Counts	5885
BK Counts	4670
Standard counts	79355
Cal factor	0.094
Location	Unit 226
Canister #	12
NOTE:	

Exposure Time	72.32
Decay Time	56.24
Decay Factor	0.6537
Efficiency	3.1380

Radon Concentration **1.5** pCi/L **+/-** **10%**

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NEHA ID: 100307RT/101098 ALI

Rocky Mountain Radon Control, llc
8156-E S. Wadsworth Blvd #366
Littleton, CO 80128 (303) 980-1961

Customer	CTL Thompson
Address	48th & Vine St. Denver, CO
Start date	03/25/22
Start Time	11:20
Stop Date	3/28/22
Stop Time	11:40
Count Date	03/29/22
Count Time	7:45
Canister Counts	6520
BK Counts	4670
Standard counts	79355
Cal factor	0.094
Location	Unit 233
Canister #	13
NOTE:	

Exposure Time	72.33
Decay Time	56.25
Decay Factor	0.6536
Efficiency	3.1380

Radon Concentration **2.2** pCi/L **+/-** **10%**

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The E.P.A. and the Centers for Disease Control have set a CONTINUOUS EXPOSURE Level of 4pCi/l as a guidance level for further testing and/or remedial action.

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Rocky Mountain Radon Control, llc
8156-E S. Wadsworth Blvd #366
Littleton, CO 80128 (303) 980-1961

Customer	CTL Thompson
Address	48th & Vine St. Denver, CO
Start date	03/25/22
Start Time	11:22
Stop Date	3/28/22
Stop Time	11:43
Count Date	03/29/22
Count Time	7:46
Canister Counts	5720
BK Counts	4670
Standard counts	79355
Cal factor	0.094
Location	Unit 245
Canister #	14
NOTE:	

Exposure Time	72.35
Decay Time	56.22
Decay Factor	0.6538
Efficiency	3.1380

Radon Concentration **1.3** pCi/L **+/-** **10%**

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Rocky Mountain Radon Control, llc
8156-E S. Wadsworth Blvd #366
Littleton, CO 80128 (303) 980-1961

Customer	CTL Thompson
Address	48th & Vine St. Denver, CO
Start date	03/25/22
Start Time	11:24
Stop Date	3/28/22
Stop Time	11:47
Count Date	03/29/22
Count Time	7:36
Canister Counts	5550
BK Counts	4670
Standard counts	79355
Cal factor	0.094
Location	Unit 201
Canister #	15
NOTE:	

Exposure Time	72.38
Decay Time	56.01
Decay Factor	0.6548
Efficiency	3.1380

Radon Concentration **1.0** pCi/L **+/-** **10%**

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Rocky Mountain Radon Control, llc
8156-E S. Wadsworth Blvd #366
Littleton, CO 80128 (303) 980-1961

Customer	CTL Thompson
Address	48th & Vine St. Denver, CO
Start date	03/25/22
Start Time	11:26
Stop Date	3/28/22
Stop Time	11:50
Count Date	03/29/22
Count Time	7:35
Canister Counts	4960
BK Counts	4670
Standard counts	79355
Cal factor	0.094
Location	Unit 217
Canister #	16
NOTE:	

Exposure Time	72.40
Decay Time	55.95
Decay Factor	0.6551
Efficiency	3.1380

Radon Concentration **<0.5** pCi/L **+/-** **10%**

Rocky Mountain Radon Control, llc (RMRC) is not responsible for the improper use or placement of canisters. Reliability of the results may be subject to marked variability. RMRC's liability is limited solely to the cost of the canisters provided.

The E.P.A. and the Centers for Disease Control have set a CONTINUOUS EXPOSURE Level of 4pCi/l as a guidance level for further testing and/or remedial action.

NEHA ID: 100307RT/101098 ALI

Rocky Mountain Radon Control, llc
8156-E S. Wadsworth Blvd #366
Littleton, CO 80128 (303) 980-1961

Customer	CTL Thompson
Address	48th & Vine St. Denver, CO
Start date	03/25/22
Start Time	11:28
Stop Date	3/28/22
Stop Time	11:53
Count Date	03/29/22
Count Time	7:33
Canister Counts	5325
BK Counts	4670
Standard counts	79355
Cal factor	0.094
Location	Unit 425
Canister #	17
NOTE:	

Exposure Time	72.42
Decay Time	55.88
Decay Factor	0.6555
Efficiency	3.1380

Radon Concentration **0.8** pCi/L **+/- 10%**

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NEHA ID: 100307RT/101098 ALI

Rocky Mountain Radon Control, llc
8156-E S. Wadsworth Blvd #366
Littleton, CO 80128 (303) 980-1961

Customer	CTL Thompson
Address	48th & Vine St. Denver, CO
Start date	03/25/22
Start Time	11:30
Stop Date	3/28/22
Stop Time	11:56
Count Date	03/29/22
Count Time	7:30
Canister Counts	5950
BK Counts	4670
Standard counts	79355
Cal factor	0.094
Location	Unit 407
Canister #	18
NOTE:	

Exposure Time	72.43
Decay Time	55.78
Decay Factor	0.6560
Efficiency	3.1380

Radon Concentration **1.5** pCi/L **+/-** **10%**

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The E.P.A. and the Centers for Disease Control have set a CONTINUOUS EXPOSURE Level of 4pCi/l as a guidance level for further testing and/or remedial action.

NEHA ID: 100307RT/101098 ALI

Rocky Mountain Radon Control, llc
8156-E S. Wadsworth Blvd #366
Littleton, CO 80128 (303) 980-1961

Customer	CTL Thompson
Address	48th & Vine St. Denver, CO
Start date	03/25/22
Start Time	11:34
Stop Date	3/28/22
Stop Time	11:06
Count Date	03/29/22
Count Time	8:06
Canister Counts	5470
BK Counts	4670
Standard counts	79355
Cal factor	0.094
Location	1st floor office
Canister #	19
NOTE:	

Exposure Time	71.53
Decay Time	56.77
Decay Factor	0.6511
Efficiency	3.1380

Radon Concentration **1.0** pCi/L **+/-** **10%**

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The E.P.A. and the Centers for Disease Control have set a CONTINUOUS EXPOSURE Level of 4pCi/l as a guidance level for further testing and/or remedial action.

NEHA ID: 100307RT/101098 ALI

RADON MEASUREMENTS LAB REPORT

Company/ Name: Enviro Tech Pros / Sean Harris

Address: 2121 E 48th Ave , Denver , co, 80216

RADON Measurements Lab

Dates sample collected:
09/19/2022 09:05 to 09/21/2022 10:00

Date sample analyzed:
09/21/2022 14:00

This analysis represents the radon-222 concentration in the air only at the time of sampling. Your measurement result is:

Canister Number	Location	Radon Concentration (pCi/L)
122480	Unit 113	0.61 +/- 0.07
122460	Unit 113	0.57 +/- 0.07
122462	Unit 105	0.78 +/- 0.07
122473	Unit 105	0.68 +/- 0.07
122461	Unit 103	0.65 +/- 0.07
122440	Unit 103	0.64 +/- 0.07

These results are confidential and will not be released to anyone else without your permission. Since our laboratory does not place the canisters nor monitor the conditions and the time under which the canister is exposed, we are unable to guarantee the integrity of any part of the testing procedure except for that portion for which we are directly responsible; the handling and quality assurance procedures of the canisters up until the time they leave our lab and the accuracy (within statistically imposed limits) of the actual measuring process in our lab.

This is a short-term measurement result. You should not initiate costly changes or repairs because of this single measurement. If you have high radon levels, we recommend you make at least two measurements. The information on recommended actions for various radon levels has been extracted from A Citizen's Guide to Radon and is printed in the following paragraph and on the other side of this form. Please read it carefully.

Determining the need for further measurements: (extracted from A Citizen's Guide to Radon)

In most cases, one short-term measurement is not a reliable measure of the average radon level to which you and your family are exposed.The charcoal canister test, which you participated in, is quite accurate. However, since radon levels can vary from season to season as well as from room to room, one short-term measurement only serves to indicate the potential for a radon problem. Depending upon the result of your short-term measurement, you may need to have follow-up measurements made to give you a better idea of the average radon level in your home.
The following guidelines may be useful to you in determining the urgency of your need for follow-up measurements and remedial actions. Keep in mind, when reading these guidelines that the EPA is currently recommending a maximum exposure of 4.0 picocuries per liter, abbreviated as 4.0 pCi/L, as a prudent standard. This 4.0 pCi/L refers to the maximum amount of radiation you may receive on an

annual (average) basis before becoming concerned about "fixing" your radon problem. Whether you accept these guidelines is completely up to you, but they are the best numbers available at this time.

WHAT YOUR TEST RESULTS MEAN

The average indoor radon in the U.S. is estimated to be about 1.3 pCi/L, and about 0.4 pCi/L of radon is normally found in the outside air. The U.S. Congress has set a long-term goal that indoor radon levels be no more than outdoor levels. While this goal is not yet technologically achievable in all cases, most homes today can be reduced to 2 pCi/L or below.
Sometimes short-term tests are less definitive about whether or not your home is above 4 pCi/L. This can happen when your results are close to 4 pCi/L. Consequently, the EPA recommends retesting your residence when the initial short-term measurement is near or above 4 pCi/L. Even if your test result was below 4.0 pCi/L, you may want to test again sometime in the future, especially if your living patterns change and you begin occupying a lower level of your home.
If this result is from the second time you have tested your residence, and the average of the first test and this test is at or above 4.0 pCi/L, the EPA recommend that you fix your home.

EPA GUIDELINES

If this is a screening (first time) short-term test in this location, your result has the following interpretation:

If your screening measurement result is less than about 4 pCi/L:

If the test was done following the directions provided with the test kit and closed-house conditions were complied with and there was no ventilation during the test, the EPA recommends only that you may want to test your home again in the future.

If your screening measurement result is about 4 pCi/L to about 10 pCi/L:

If the test was done following the directions provided with the test kit and closed-house conditions were complied with and there was no ventilation during the test, the EPA recommends that you retest your residence. You may retest with another short-term test (with, for example, a charcoal canister), but at levels in the range of 4 pCi/L to 10 pCi/L, you have the option of retesting with a longer-term device. Alpha-track detectors, for example, would be the testing devices of choice in this case. These devices are left in the house from 90 days to one year and provide you with a long-term average exposure level.

If your screening measurement result is greater than 10 pCi/L:

If the test was done following the directions provided with the test kit and closed-house conditions were complied with and there was no ventilation during the test, the EPA recommends that you retest your home immediately. You may retest with a longer-term test device (such as an alpha-track detector which is left in the house for 90 days to one year) but, at levels above 10 pCi/L, the EPA recommends that your second follow-up test be another short-term device such as the charcoal canister.

If this is a follow-up (second time) short-term test in this location, your result has the following interpretation:

Average this test result with the first short-term test you did earlier.
If the average of the two tests is at or above 4 pCi/L the EPA recommends that you consider fixing your home to bring the levels below 4.0 pCi/L.

<u>Remember:</u> There is increasing urgency for taking action at higher concentrations of radon. If the average of the two tests is at or above 4 pCi/L the EPA recommends that you consider fixing your home to bring the levels below 4.0 pCi/L.

If you should decide to perform follow-up testing, this lab provides:

1. Open faced (48 hour) charcoal canisters

Or contact a commercial radon company. Names of companies who have passed the EPA proficiency exam are available from your local health department.