



CASCADE RADON, INC.

Testing, Mitigation,
Systems Design
CCB 180537 / CASCARI927C1
Fed ID 26-1809992

12839 NE Airport Way Bldg. 9
Portland, OR 97230
Phone: (503) 421-4813
Fax: (503) 281-6170
Office@CascadeRadon.com

Radon Survey Analysis
Job #21-C002W

for

Beaverton School District

c/o Matthew Lichtenfels

Fir Grove Elementary

6300 SW Wilson Ave.

Beaverton, OR 97007

October 13, 2021



Introduction

The following report documents a study of radon levels for the property located at 6300 SW Wilson Ave. The goal of this study is to determine indoor radon levels within the areas addressed by the mitigation system following system installation. **Analysis assumes that the building tested was maintained under “closed-building” conditions** (windows closed and exterior doors shut immediately after entering and exiting) 12 hours prior to the start of testing, as well as normal indoor temperatures, for the duration of the testing period.

Conclusions and Recommendations

The radon mitigation system has been installed per applicable codes. The average “Short-Term” test levels are now below the EPA recommended “action level” of 4.0 pCi/L. Test performed was a “Short-Term” post-mitigation diagnostic test, with a duration of 101 hours.

The OHA recommends that in buildings with mitigation systems, mitigated areas undergo post-mitigation testing using a long-term, Alpha-Track type test for a duration of 9-months. Alpha-Track test kits are available for about \$25-30 each.

All conditions, warranties, and guarantees noted in the Contract are transferable to future owners of the same property.

Note: The OHA recommends that testing be conducted in areas that were mitigated at least every 5 years to ensure that the systems remain effective.

Short-Term, Post-Mitigation Test Results:

Room B112 manometer Reading: 3.4 inches of water column pressure.

The building tested was assumed occupied during testing.

The measurement technique used (1) Rad Star continuous electronic monitors: (02472).

Measurements of radon levels were made in the following area:

Test Start: 9:20 AM, 10/04/2021

Test End: 3:20 PM, 10/08/2021

Monitor ID 02472 – Room B112

Average radon reading for duration of test = 0.4 pCi/L

Highest level recorded: 1.5 pCi/L

Lowest level recorded: 0.0 pCi/L

Key:

pCi/L: Picocuries per liter – units of radon concentration.

Average: Cumulative average of the entire period since the test started.

Please contact me if you have any questions.

Thank you,

Wade Gervais

Cascade Radon, Inc.

NEHA/NRPP# 106213RMT



TEST DETAILS:

Fir Grove Elementary
 6300 SW Wilson Ave.
 Beaverton, OR 97007

Beaverton School District

Test Start Date/Time: Monday, October 04, 2021 // 9:20 AM

Test End Date/Time: Friday, October 08, 2021 // 3:20 PM

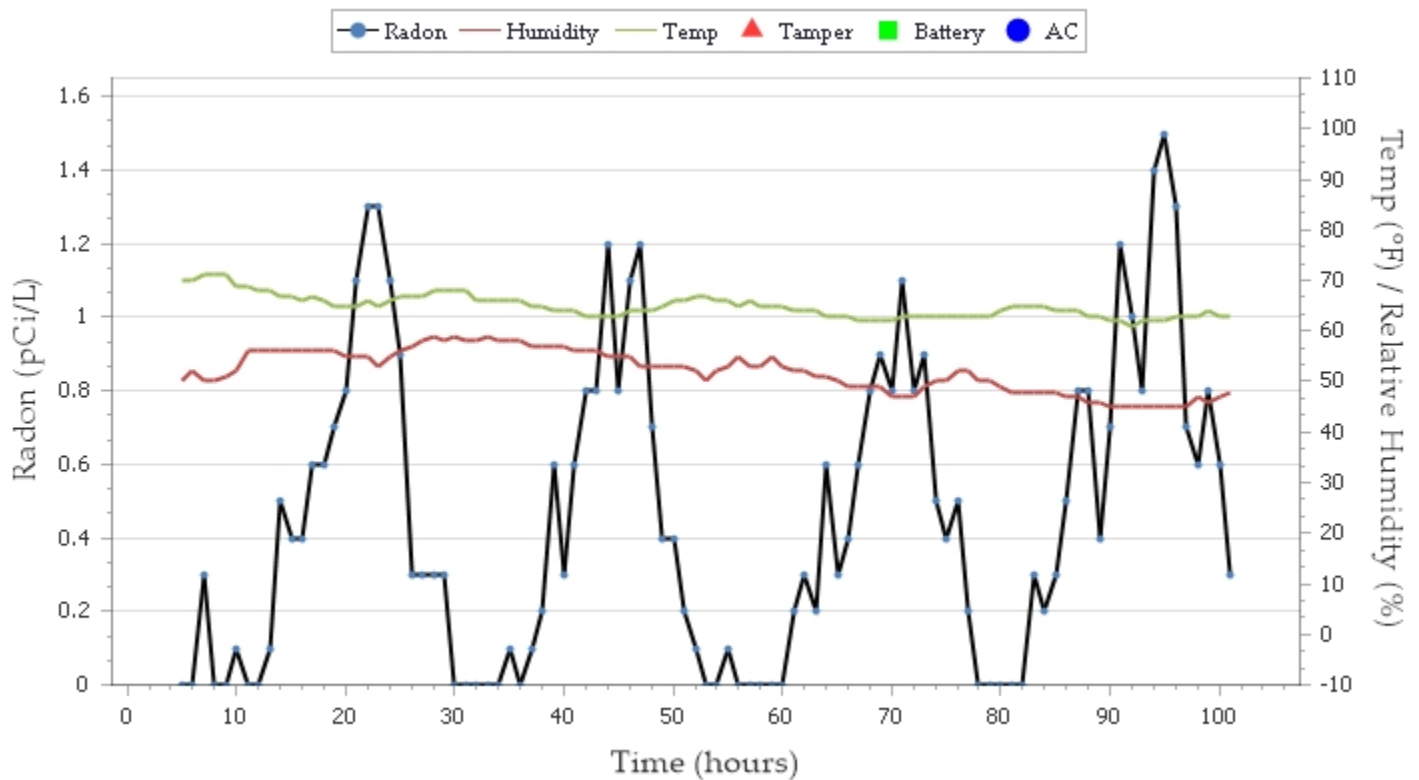
Location of Instrument: Room B112

Notes:

TEST RESULTS:

Average: 0.4 pCi/L

Test ID# 80122



Felicai Flanders	Date
Certification #:	
License 1:	CCB 180537/ CASCARI927C1
License 2:	NRPP 112059 RT



INTERVAL REPORT:

Hour	T	B	AC	pCi/L	Temp	Humd	Alpha
1				0.3	66	56	10
2				0.1	67	53	6
3				0.2	68	52	9
4				0.3	69	49	12
5				0.0	70	50	3
6				0.0	70	52	0
7				0.3	71	50	11
8				0.0	71	50	0
9				0.0	71	51	3
10				0.1	69	52	5
11				0.0	69	56	0
12				0.0	68	56	2
13				0.1	68	56	6
14				0.5	67	56	16
15				0.4	67	56	15
16				0.4	66	56	14
17				0.6	67	56	21
18				0.6	66	56	20
19				0.7	65	56	24
20				0.8	65	55	27
21				1.1	65	55	36
22				1.3	66	55	42
23				1.3	65	53	43
24				1.1	66	55	35
25				0.9	67	56	30
26				0.3	67	57	12
27				0.3	67	58	11
28				0.3	68	59	11
29				0.3	68	58	10
30				0.0	68	59	2
31				0.0	68	58	0
32				0.0	66	58	1
33				0.0	66	59	0
34				0.0	66	58	3
35				0.1	66	58	4
36				0.0	66	58	0
37				0.1	65	57	5
38				0.2	65	57	9
39				0.6	64	57	20
40				0.3	64	57	10
41				0.6	64	56	20
42				0.8	63	56	26
43				0.8	63	56	26
44				1.2	63	55	40
45				0.8	63	55	27
46				1.1	64	55	36
47				1.2	64	53	40
48				0.7	64	53	22
49				0.4	65	53	13
50				0.4	66	53	15
51				0.2	66	53	8
52				0.1	67	52	6
53				0.0	67	50	3
54				0.0	66	52	2
55				0.1	66	53	4
56				0.0	65	55	1
57				0.0	66	53	0



58	0.0	65	53	1
59	0.0	65	55	1
60	0.0	65	53	0
61	0.2	64	52	8
62	0.3	64	52	11
63	0.2	64	51	8
64	0.6	63	51	20
65	0.3	63	50	12
66	0.4	63	49	15
67	0.6	62	49	20
68	0.8	62	49	27
69	0.9	62	49	30
70	0.8	62	47	27
71	1.1	63	47	36
72	0.8	63	47	26
73	0.9	63	49	30
74	0.5	63	50	17
75	0.4	63	50	15
76	0.5	63	52	17
77	0.2	63	52	7
78	0.0	63	50	0
79	0.0	63	50	3
80	0.0	64	49	1
81	0.0	65	48	0
82	0.0	65	48	0
83	0.3	65	48	12
84	0.2	65	48	9
85	0.3	64	48	11
86	0.5	64	47	16
87	0.8	64	47	28
88	0.8	63	46	26
89	0.4	63	46	15
90	0.7	62	45	22
91	1.2	62	45	39
92	1.0	61	45	34
93	0.8	62	45	26
94	1.4	62	45	45
95	1.5	62	45	47
96	1.3	63	45	43
97	0.7	63	45	25
98	0.6	63	47	19
99	0.8	64	46	26
100	0.6	63	47	19
101	0.3	63	48	12

Minimum: 0.0 pCi/L **Maximum:** 1.5 pCi/L **Average:** 0.4 pCi/L

Felica Flanders _____ Date _____
 Certification #:
 License 1: CCB 180537/ CASCARI927C1
 License 2: NRPP 112059 RT