



**Alpha Environmental Services, Inc.
Radon Measurement Screening Report**

November 10, 2022

Yamhill Carlton Elementary School
Attn: Ian Barr
barri@ycschools.org

Re: Summary of Radon Measurement Screening at 420 S 3rd St Carlton, OR 97111.
Project No. 22-50810

Dear Ian Barr,

Alpha Environmental Services, Inc. (Alpha) performed a short-term radon measurement screening at the above-referenced address from 11-1-2022 9:00 AM to 11-3-2022 10:00 AM. The testing was conducted throughout the building. These test results represent the conditions that existed with respect to weather and operating conditions of the building during the time period tested.

Results of radon testing are included in the table below:

Unit Serial #	Location	Average (pCi/L)	Remarks
11215901	106	<0.3	1 st Floor
11215902	106	<0.3	1 st Floor (Duplicate)
11215903	107	<0.3	1 st Floor
11215904	113	<0.3	1 st Floor
11215905	116	<0.3	1 st Floor
11215906	117	<0.3	1 st Floor
11215907	118	<0.3	1 st Floor
11215908	121	<0.3	1 st Floor
11215909	103	<0.3	1 st Floor
11215910	102	<0.3	1 st Floor
11215911	101	<0.3	1 st Floor
11215912	215	<0.3	2 nd Floor
11215913	215	<0.3	2 nd Floor (Duplicate)
11215914	213	<0.3	2 nd Floor
11215915	211	<0.3	2 nd Floor
11215916	108	<0.3	Blank

Conclusions and Recommendation:

Based on the analytical lab results, the indoor radon concentrations in the units are not above the EPA action level of 4.0 pCi/L. Additional action isn't recommended.

11080 SW Allen Blvd, Suite 100, Beaverton, OR 97005
(503) 292-5346 fax: (503) 627-0942
OR CCB #152125 NRPP 103186 RT & 103187 RMT
www.alphaenvironmental.net

Radon Test Report Data

Start Time: 11/1/2022 9:00 AM
Stop Time: 11/3/2022 10:00 AM
Total Time: 49.0 Hours

PURPOSE OF THIS INSPECTION REPORT

To provide a professional opinion of a structure's radon levels at the time of the test period, limited to the conditions identified in this report.

EPA EXPLANATION OF TEST RESULTS

Radon is the second leading cause of lung cancer, after smoking. The U.S. Environmental Protection Agency (EPA) and the Surgeon General strongly recommend taking further action when a home's radon test results are **4.0 pCi/l** (picocuries per liter of air) or greater. Radon levels less than **4.0 pCi/l** still pose some risk and in many cases may be reduced. The national average indoor radon level is about 1.3 pCi/l while outdoor radon levels average 0.4 pCi/l. The higher a home's radon level, the greater the health risk to you and your family especially over increasing amounts of time. Smokers and former smokers are at an especially high risk. The EPA recommends that you use an EPA or State-approved contractor trained to mitigate elevated radon levels within residential or commercial properties. You can call your state radon office to obtain information, including a list of EPA or State-approved radon contractors who can fix or can help you develop a plan for fixing the radon problem.

Measurement and Quality Assurance

The building was under closed conditions for a minimum of 12 hours prior to the tests being set in each unit. Air Chek, Inc activated adsorption devices were utilized for the short term testing. The measurement was conducted in accordance with the document *Protocol for Conducting Radon and Radon Decay Product Measurements in Multifamily Building (ANSI/AARST MAMF 2017)*. In order to ensure precision and accuracy from laboratory analysis, 10% of the duplicate measurement devices and 5% filed blanks measurements devices and spiking of a minimum of 3% of the measurement device batch utilized for the measurement.

LIMITATIONS OF LIABILITY

Alpha Environmental Services, Inc. cannot guarantee that the necessary conditions were maintained during the test period. There can be uncertainty with any radon measurement due to statistical variations and other factors such as changes in the weather and operation of the dwelling. While our agents and we make every effort to maintain the highest possible quality control and include checks and verification steps in our procedures, we make **NO WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED**, for the consequences of erroneous test results. **Alpha Environmental Services, Inc.** nor its employees or agents shall not be liable under any claim, charge or demand, whether in contract, tort, or otherwise, for any and all loss, cost, charge, claim, demand, fee, or expense of any nature or kind arising out of, connected with, resulting from, or sustained as a result of any radon test.

RADON TEST DATA

This test was performed with an American Association of Radon Scientists and Technicians – National Radon Proficiency Program (AARST-NRPP) and Industry approved testing device. The test was performed in accordance with the current Standards and Guidelines accepted for radon testing.

Regards,

Ariel Interian
Radon Department Manager
Alpha Environmental Services, Inc.
11080 SW Allen Blvd, Ste. 100
Beaverton, OR 97005

Attention:

Kit #: 11215901 Result: < 0.3 pCi/l

Location: 1st Floor Classroom

420 S 3rd St # 106

Carlton, OR 97111-9605

Analysis Note :

Analyzed : 2022-11-07 at 11:00 am

Started : 2022-11-01 at 9:00 am

Ended : 2022-11-03 at 10:00 am

Hours/MST% : 49 hours 4.3% 65°F

Kit #: 11215902 Result: < 0.3 pCi/l

Location: 1st Floor Classroom

420 S 3rd St # 106

Carlton, OR 97111-9605

Analysis Note :

Analyzed : 2022-11-07 at 12:00 pm

Started : 2022-11-01 at 9:00 am

Ended : 2022-11-03 at 10:00 am

Hours/MST% : 49 hours 2.9% 65°F

Kit #: 11215903 Result: < 0.3 pCi/l

Location: 1st Floor Classroom

420 S 3rd St # 107

Carlton, OR 97111-9605

Analysis Note :

Analyzed : 2022-11-07 at 11:00 am

Started : 2022-11-01 at 9:00 am

Ended : 2022-11-03 at 10:00 am

Hours/MST% : 49 hours 3.6% 65°F

Kit #: 11215904 Result: < 0.3 pCi/l

Location: 1st Floor Classroom

420 S 3rd St # 113

Carlton, OR 97111-9605

Analysis Note :

Analyzed : 2022-11-07 at 11:00 am

Started : 2022-11-01 at 9:00 am

Ended : 2022-11-03 at 10:00 am

Hours/MST% : 49 hours 3.6% 65°F

Kit #: 11215905 Result: < 0.3 pCi/l

Location: 1st Floor Classroom

420 S 3rd St # 116

Carlton, OR 97111-9605

Analysis Note :

Analyzed : 2022-11-07 at 12:00 pm

Started : 2022-11-01 at 9:00 am

Ended : 2022-11-03 at 10:00 am

Hours/MST% : 49 hours 3.6% 65°F

Kit #: 11215906 Result: < 0.3 pCi/l

Location: 1st Floor Classroom

420 S 3rd St # 117

Carlton, OR 97111-9605

Analysis Note :

Analyzed : 2022-11-07 at 12:00 pm

Started : 2022-11-01 at 9:00 am

Ended : 2022-11-03 at 10:00 am

Hours/MST% : 49 hours 2.8% 65°F

Attention:

Kit #: 11215907 Result: < 0.3 pCi/l

Location: 1st Floor Classroom

420 S 3rd St # 118

Carlton, OR 97111-9605

Analysis Note :

Analyzed : 2022-11-07 at 12:00 pm

Started : 2022-11-01 at 9:00 am

Ended : 2022-11-03 at 10:00 am

Hours/MST% : 49 hours 2.9% 65°F

Kit #: 11215908 Result: < 0.3 pCi/l

Location: 1st Floor Classroom

420 S 3rd St # 121

Carlton, OR 97111-9605

Analysis Note :

Analyzed : 2022-11-07 at 11:00 am

Started : 2022-11-01 at 9:00 am

Ended : 2022-11-03 at 10:00 am

Hours/MST% : 49 hours 3.6% 65°F

Kit #: 11215909 Result: < 0.3 pCi/l

Location: 1st Floor Classroom

420 S 3rd St # 103

Carlton, OR 97111-9605

Analysis Note :

Analyzed : 2022-11-07 at 12:00 pm

Started : 2022-11-01 at 9:00 am

Ended : 2022-11-03 at 10:00 am

Hours/MST% : 49 hours 4.4% 65°F

Kit #: 11215910 Result: < 0.3 pCi/l

Location: 1st Floor Classroom

420 S 3rd St # 102

Carlton, OR 97111-9605

Analysis Note :

Analyzed : 2022-11-07 at 11:00 am

Started : 2022-11-01 at 9:00 am

Ended : 2022-11-03 at 10:00 am

Hours/MST% : 49 hours 4.4% 65°F

Kit #: 11215911 Result: < 0.3 pCi/l

Location: 1st Floor Classroom

420 S 3rd St # 101

Carlton, OR 97111-9605

Analysis Note :

Analyzed : 2022-11-07 at 11:00 am

Started : 2022-11-01 at 9:00 am

Ended : 2022-11-03 at 10:00 am

Hours/MST% : 49 hours 3.6% 65°F

Kit #: 11215912 Result: < 0.3 pCi/l

Location: 2nd Floor Classroom

420 S 3rd St # 215

Carlton, OR 97111-9605

Analysis Note :

Analyzed : 2022-11-07 at 11:00 am

Started : 2022-11-01 at 9:00 am

Ended : 2022-11-03 at 10:00 am

Hours/MST% : 49 hours 2.8% 65°F

Attention:

Kit #: 11215913 Result: < 0.3 pCi/l

Location: 2nd Floor Classroom

420 S 3rd St # 215

Carlton, OR 97111-9605

Analysis Note :

Analyzed : 2022-11-07 at 12:00 pm

Started : 2022-11-01 at 9:00 am

Ended : 2022-11-03 at 10:00 am

Hours/MST% : 49 hours 4.4% 65°F

Kit #: 11215914 Result: < 0.3 pCi/l

Location: 2nd Floor Classroom

420 S 3rd St # 213

Carlton, OR 97111-9605

Analysis Note :

Analyzed : 2022-11-07 at 11:00 am

Started : 2022-11-01 at 9:00 am

Ended : 2022-11-03 at 10:00 am

Hours/MST% : 49 hours 4.5% 65°F

Kit #: 11215915 Result: < 0.3 pCi/l

Location: 2nd Floor Classroom

420 S 3rd St # 211

Carlton, OR 97111-9605

Analysis Note :

Analyzed : 2022-11-07 at 12:00 pm

Started : 2022-11-01 at 9:00 am

Ended : 2022-11-03 at 10:00 am

Hours/MST% : 49 hours 3.6% 65°F

Kit #: 11215916 Result: < 0.3 pCi/l

Location: 1st Floor Classroom

420 S 3rd St # 108

Carlton, OR 97111-9605

Analysis Note :

Analyzed : 2022-11-07 at 12:00 pm

Started : 2022-11-01 at 9:00 am

Ended : 2022-11-03 at 10:00 am

Hours/MST% : 49 hours 2.0% 65°F