



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

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

Radon Survey Analysis Job #25-C082F

for

Corbett School District
Gymnasium Building
c/o Steve Salisbury

property located at

35800 E Historic Columbia River Hwy
Corbett, OR 97019

February 18, 2026

Introduction

The following report documents a study of radon levels for the property located at 35800 E Historic Columbia River Hwy Corbett, OR 97019. The goal of this study is to determine indoor radon levels for all areas in contact with the ground. Testing performed per Oregon Health Authority School Testing Protocols.

Analysis assumes that the buildings tested were maintained under “closed-building” conditions (windows closed and exterior doors shut immediately after entering and exiting), as well as normal indoor temperatures, for the duration of the testing period. The H-VAC system for each building was set to normal occupied settings for the entirety of the testing period.

Conclusions and Recommendations

Test was a “Short-Term” test, with minimum duration of 60 hours. See the chart below of areas in buildings that were tested, and the corresponding levels found. Maps of the test levels are provided in Appendix A. Note that all Seventeen(17) locations tested had results below the USEPA Action Level of 4.0 pCi/L.

No mitigation action is recommended at this time. While the USEPA recommends buildings be fixed if the radon level is 4.0 pCi/L or more, because there is no known safe level of exposure to radon, the US EPA also suggests individuals consider fixing buildings for radon levels between 2.0 pCi/L and 4.0 pCi/L.

This report represents the average radon concentration for the period that testing was and at the specific location(s) within the building. The concentration of radon gas in indoor air can vary widely; it fluctuates daily, seasonally, and with weather conditions. Indoor radon levels may be affected by barometric pressure, strong winds, rain-soaked ground, snow cover, heating and A/C systems, building construction, open windows, and the like. For further confirmation of average, long-term radon levels, it is suggested that long-term, Alpha-Track type radon testing be performed.

NOTE: It is recommended from the Oregon Health Authority that any school indicating low radon values be retested at least every 10 years. In areas where mitigation has been performed, it is recommended to test using long-term testing at least every 5 years.

Radon Level Measurements

The building tested was assumed occupied during testing. No mitigation system was installed or inspected at the time of testing. The measurement technique used Twenty(20) AirChek activated charcoal kits.

Test Start Date: 2/2/2026

Test End Date: 2/6/2026

Measurements of radon levels were made in the following areas:

Table 1: Results

Room	Floor	Kit ID#	Test Start Time	Test End Time	Result (pCi/L)
Coaches Room	0	12279843	8:00am	8:00am	0.7
Girls Locker	0	12350004	8:00am	8:00am	0.6
Girls Locker Office	0	12350105	8:00am	8:00am	0.6
Physical Therapy	0	12350008	8:00am	8:00am	0.8
Boys Locker	0	12350007	8:00am	8:00am	0.7
Boys Locker Office	0	12350010	8:00am	8:00am	0.8
Boys Dressing Room	0	12350085	8:00am	8:00am	1.1
Boys Team Room	0	12350132	8:00am	8:00am	0.3
Boys Training	0	12350135	8:00am	8:00am	0.8
Maintenance Office	1	12279866	8:00am	8:00am	2.2
Wood Shop	1	Duplicate Avg	8:00am	8:00am	0.3

Room	Floor	Kit ID#	Test Start Time	Test End Time	Result (pCi/L)
Gym A West	1	12350158	8:00am	8:00am	1.5
Gym A East	1	12350188	8:00am	8:00am	0.8
Gym B East	1	12350048	8:00am	8:00am	0.8
Gym B North	1	12279889	8:00am	8:00am	0.3
Weight Room Office	1	Duplicate Avg	8:00am	8:00am	1.0
Weight Room	1	12350044	8:00am	8:00am	0.5

Duplicate measurements were conducted as a means to assess the precision of the test measurements. The criteria of acceptance is that the average relative percent difference (ARPD) of the results of the two measurement results for results whose averages are greater than 4.0, should be within 25%. The results of the collated duplicates are provided in Table 2. The applicable ARPD for this survey was not applicable and is thus in compliance.

Table 2: *Duplicate Table

Room	Kit ID#	Test Start Time	Test End Time	Result (pCi/L)	Average (pCi/L)	Avg > 3.9 pCi/L?	RPD%
Wood Shop	12350185	8:00am	8:00am	0.3	0.3	No	0%
	12350079	8:00am	8:00am	0.3			
Weight Room Office	12350006	8:00am	8:00am	0.9	1.0	No	10.5%
	12350052	8:00am	8:00am	1.0			
Average RPD for Duplicate Averages more than 3.9 pCi/L:							N/A
In Compliance:							Yes

As a means to determine any biases in the results, detectors were deployed but not opened. At the time of test retrieval of the regular test, the devices were removed from their packaging and sent to the laboratory for blind analysis. The results of these unexposed devices are shown in Table 3. As can be seen, the laboratory reported these at the lower level of detection, indicating that no biases were introduced in handling and shipping of the devices.

Table 3: Blanks

Room	Blank #	Kit ID#	Result (pCi/L)	In Compliance?
Girls Locker Office	1	12350087	0.3	Yes

A device was also selected from the lot of detectors that were utilized for exposure to a known radon environment at a spiking chamber (Bowser-Morner, NEHANRPP ID# 101 TC). After exposure, the device was submitted as a blind measurement to the laboratory. A comparison of the reported reading from the lab and the known concentration in the chamber is as follows:

Chamber concentration to which device was exposed:	22.6 pCi/L
Concentration reported by lab:	22.0 pCi/L
Relative percent difference (RPD):	2.7%

The RPD between the reported and spiking concentration is well within normal limits.

Key:

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

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

Invalid: Kit is void due to being found on floor, damaged, missing, or visibly tampered with after placement

Testing Conditions:

None of Note

Weather:

2/2 A.43° L.38° H.52° (Cloudy)

2/3 A.49° L.43° H.53° (Mostly Sunny)

2/4 A.49° L.47° H.54° (Mostly Sunny)

2/5 A.49° L.47° H.53° (Mostly Sunny)

2/6 A.48° L.44° H.54° (Mostly Sunny)



Please contact me if you have any questions.

Thank you,

Felicia Flanders

NRPP 112059 RMP



<p>National Radon Proficiency Program</p>   <p>Felicia Flanders Radon Measurement Professional ID Number: #112059-RMP Valid 2025-03-25 - 2027-04-30 <small>To confirm validity of this certification call 828-348-0185. Verification of adherence to state and local regulations is advised. See reverse for specific certification designations.</small></p>	<p>Felicia Flanders #112059-RMP <small>This individual is certified for the use of passive measurement devices to be analyzed by NRPP certified Analytical Laboratories and also certified to provide Analytical Services using the following device(s):</small></p> <div style="border: 1px solid black; padding: 5px;"> <p>CR-2282 SunRadon 1028-XP AT-8207 RSSI AT-101 AC-8201 Air Chek Pro Chek</p> </div> <p><small>The radon office for the state in which this person resides may be contacted for information on radon and local requirements. For additional information contact NRPP at 828-348-0185, or visit the NRPP web-site at nrpp.info State Radon Program Contact Number: (971) 673-0440</small></p>
---	---

P3606 / WADE GERVAIS

Kit Number	Start Date	Start Time	End Date	End Time	Temp.	Facility	Building	Room	Project ID	Floor	Result
12279843	2026-02-02	8:00 am	2026-02-06	8:00 am	70		GYM	COACHES ROOM	GYMNASIUM 25-C082F	0	0.7
12279866	2026-02-02	8:00 am	2026-02-06	8:00 am	70			MAINTENANCE OFFICE	GYMNASIUM 25-C082F	1	2.2
12279889	2026-02-02	8:00 am	2026-02-06	8:00 am	70		GYM	GYM B NORTH	GYMNASIUM 25-C082F	1	<0.3
12350004	2026-02-02	8:00 am	2026-02-06	8:00 am	70			GIRLS LOCKER	GYMNASIUM 25-C082F	0	0.6
12350006	2026-02-02	8:00 am	2026-02-06	8:00 am	70			WEIGHT RM OFFICE	GYMNASIUM 25-C082F	1	0.9
12350007	2026-02-02	8:00 am	2026-02-06	8:00 am	70			BOYS LOCKER	GYMNASIUM 25-C082F	0	0.7
12350008	2026-02-02	8:00 am	2026-02-06	8:00 am	70			PHYSICAL THERAPY	GYMNASIUM 25-C082F	0	0.8
12350010	2026-02-02	8:00 am	2026-02-06	8:00 am	70		GYM	BOYS LOCKER OFFICE	GYMNASIUM 25-C082F	0	0.8
12350044	2026-02-02	8:00 am	2026-02-06	8:00 am	70		GYM	WEIGHT ROOM	GYMNASIUM 25-C082F	1	0.5
12350048	2026-02-02	8:00 am	2026-02-06	8:00 am	70			GYM B EAST	GYMNASIUM 25-C082F	1	0.8
12350052	2026-02-02	8:00 am	2026-02-06	8:00 am	70			WEIGHT RM OFFICE	GYMNASIUM 25-C082F	1	1.0
12350079	2026-02-02	8:00 am	2026-02-06	8:00 am	70		GYM	WOOD SHOP	GYMNASIUM 25-C082F	1	<0.3
12350085	2026-02-02	8:00 am	2026-02-06	8:00 am	70		GYM	DRESSING ROOM BOYS	GYMNASIUM 25-C082F	0	1.1
12350087	2026-02-02	8:00 am	2026-02-06	8:00 am	70		GYM	GIRLS LOCKER OFFICEB	GYMNASIUM 25-C082F	0	<0.3
12350105	2026-02-02	8:00 am	2026-02-06	8:00 am	70		GYM	GIRLS LOCKER OFFICE	GYMNASIUM 25-C082F	0	0.6
12350132	2026-02-02	8:00 am	2026-02-06	8:00 am	70			BOYS TEAM ROOM	GYMNASIUM 25-C082F	0	<0.3
12350135	2026-02-02	8:00 am	2026-02-06	8:00 am	70		GYM	BOYS TRAINING	GYMNASIUM 25-C082F	0	0.8
12350158	2026-02-02	8:00 am	2026-02-06	8:00 am	70		GYM	GYM A WEST	GYMNASIUM 25-C082F	1	1.5
12350185	2026-02-02	8:00 am	2026-02-06	8:00 am	70		GYM	WOOD SHOP	GYMNASIUM 25-C082F	1	<0.3
12350188	2026-02-02	8:00 am	2026-02-06	8:00 am	70		GYM A	GYM A EAST	GYMNASIUM 25-C082F	1	0.8



Felicia Flanders



Has satisfactorily fulfilled the requirements set forth by the National Radon Proficiency Program and is therefore certified as a:

Radon Measurement Professional

with Standard and Analytical Services

NRPP ID 112059-RMP

Issued On: 2025-03-25 Expires: 2027-04-30

Valid for specific activities or measurement devices, which can be verified with NRPP. State and local agencies may have additional requirements.



In witness Whereof,
I have subscribed my name as a
Representative of NRPP

Ashley Falco
Chair, Certification Council