



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 #16-C096FF

for

Corbett School District
Middle School & District Office
c/o Steve Salisbury

property located at

35800 E Historic Columbia River Hwy
Corbett, OR 97019

February 20, 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 Twenty-Nine(29) 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 partially occupied during testing.
No system was installed or inspected at the time of testing.
The measurement technique used Thirty-Four(34) AirChek activated charcoal kits.

Test Start Date: 2/9/2026

Test End Date: 2/13/2026

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)
Balbo	1	12350003	8:00 am	8:00 am	0.5
Childress	1	12350030	8:00 am	8:00 am	0.3
Church	1	12350139	8:00 am	8:00 am	0.3
Commons	1	12350049	8:00 am	8:00 am	0.3
Copy Room	1	Duplicate Avg	8:00 am	8:00 am	0.3
Davis	1	12350141	8:00 am	8:00 am	0.9
Dillard	1	12350166	8:00 am	8:00 am	0.3
Hart	1	12350163	8:00 am	8:00 am	0.3
Hasegawa	1	12350134	8:00 am	8:00 am	0.3
Houck	1	12350062	8:00 am	8:00 am	0.3
JP	1	Duplicate Avg	8:00 am	9:00 am	0.5
Kaiser	1	12350168	8:00 am	8:00 am	0.3

Room	Floor	Kit ID#	Test Start Time	Test End Time	Result (pCi/L)
Leon	1	Duplicate Avg	8:00 am	8:00 am	0.3
Lindeen	1	12350065	8:00 am	8:00 am	0.3
Lutes	1	12350157	8:00 am	9:00 am	0.3
Mr Dennis	1	12350018	8:00 am	8:00 am	0.3
MS/HS Office	1	12350076	8:00 am	9:00 am	0.7
Office A	1	12350143	8:00 am	8:00 am	0.3
Office C	1	12350021	8:00 am	8:00 am	0.3
Office Commons	1	12350181	8:00 am	8:00 am	0.3
Room 1	1	12350126	8:00 am	9:00 am	0.6
Room 2	1	12279816	8:00 am	8:00 am	0.7
Trani	1	12279828	8:00 am	8:00 am	0.3
Upper Commons	1	12350129	8:00 am	8:00 am	0.7
Young	1	12350027	8:00 am	8:00 am	0.3
Basement Center	0	12350047	8:00 am	9:00 am	0.3
Basement East	0	12350174	8:00 am	9:00 am	0.7
Basement North	0	12350067	8:00 am	9:00 am	0.3
Basement South	0	12350045	8:00 am	9:00 am	0.3

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%
Copy Room	12350014	8:00 am	8:00 am	0.3	0.3	No	0%
	12350091	8:00 am	8:00 am	0.3			
JP	12350088	8:00 am	9:00 am	0.6	0.5	No	66.7%
	12350121	8:00 am	9:00 am	0.3			
Leon	12350140	8:00 am	8:00 am	0.3	0.3	No	0%
	12350197	8:00 am	8:00 am	0.3			
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?
Trani	1	12350038	0.3	Yes
Balbo	2	12350199	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:	20.3 pCi/L
Relative percent difference (RPD):	10.7%

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:

The building was only partially in use during the duration of testing, majority of the building was unoccupied.

Weather:

2/09 A.47° L.41° H.53° (Cloudy)

2/10 A.42° L.37° H.52° (Foggy)

2/11 A.48° L.41° H.56° (Mostly Sunny)

2/12 A.45° L.35° H.55° (Mostly Sunny)

2/13 A.45° L.41° H.50° (Cloudy)



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 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.</p>	<p>Felicia Flanders #112059-RMP 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):</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>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</p>
---	--

P3606 / WADE GERVAIS

Kit Number	Start Date	Start Time	End Date	End Time	Temp.	Facility	Building	Room	Project ID	Floor	Result
12279816	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	ROOM 2	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	0.7
12279828	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	TRANI	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350003	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	BALBO	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	0.5
12350014	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	COPY ROOM	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350018	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	MR DENNIS	CORBETT MIDDLE SCHOOL OLD 16-C096F	0	<0.3
12350021	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	OFFICE C	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350027	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	YOUNG	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350030	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	CHILDRESS	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350038	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	TRANIB	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350045	2026-02-09	8:00 am	2026-02-13	9:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	BASEMENT SOUTH	CORBETT MIDDLE SCHOOL OLD 16-C096F	0	<0.3
12350047	2026-02-09	8:00 am	2026-02-13	9:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	BASEMENT CENTER	CORBETT MIDDLE SCHOOL OLD 16-C096F	0	<0.3
12350049	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	COMMONS	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350062	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	HOUCK	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350065	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	LINDEEN	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350067	2026-02-09	8:00 am	2026-02-13	9:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	BASEMENT NORTH	CORBETT MIDDLE SCHOOL OLD 16-C096F	0	<0.3
12350076	2026-02-09	8:00 am	2026-02-13	9:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	MS/HS OFFICE	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	0.7
12350088	2026-02-09	8:00 am	2026-02-13	9:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	JP	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	0.6
12350091	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	COPY ROOM	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350121	2026-02-09	8:00 am	2026-02-13	9:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	JP	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350126	2026-02-09	8:00 am	2026-02-13	9:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	ROOM 1	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	0.6
12350129	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	UPPER COMMONS	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	0.7
12350134	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	HASEGAWA	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350139	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	CHURCH	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350140	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	LEONE	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350141	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	DAVID	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	0.9
12350143	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	OFFICE A	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350157	2026-02-09	8:00 am	2026-02-13	9:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	LUTES	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350163	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	HART	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350166	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	DILLARD	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350168	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	KAISER	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350174	2026-02-09	8:00 am	2026-02-13	9:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	BASEMENT EAST	CORBETT MIDDLE SCHOOL OLD 16-C096F	0	0.7
12350181	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	OFFICE COMMONS	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350197	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	LEONE	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3
12350199	2026-02-09	8:00 am	2026-02-13	8:00 am	70	CORBETT MIDDLE SCHOOL	CORBETT MIDDLE SCHOOL	BALBO	CORBETT MIDDLE SCHOOL OLD 16-C096F	1	<0.3



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