



April 21, 2020

Ivan Leigh  
Woodburn School District Facilities  
1390 Meridian Drive  
Woodburn, Oregon 97071

Via email: ileigh@woodburnsd.org

Regarding: District Wide Radon Testing  
District Office and Welcome Center  
1390 Meridian Drive  
Woodburn, Oregon  
PBS Project 25453.007

Dear Mr. Leigh:

From March 10 to March 13, 2020, PBS Engineering and Environmental Inc. (PBS) performed short-term radon testing at the District Office and Welcome Center located at 1390 Meridian Drive in Woodburn, Oregon.

The Environmental Protection Agency (EPA) and Oregon Health Authority (OHA) recommend that buildings be tested for radon and that any radon concentrations be maintained below 4.0 picocuries per liter (pCi/L) of air. PBS used AirChek, Inc., brand single-use, short-term radon test kits to measure radon levels in frequently occupied rooms that are in contact with the ground or above unoccupied basements or crawlspaces.

**Laboratory results indicate all short-term radon tests at the District Office and Welcome Center were below 4.0 pCi/L.**

See the attached laboratory analysis report for more details.

In addition to the EPA recommendation that radon concentrations do not exceed 4.0 pCi/L, OHA recommends the following steps be conducted based on the results of a room's initial short-term test:

- **If the result is less than 2.0 pCi/L**, school districts are required to test again every 10 years, per Oregon Revised Statute 332.166-167.
- **If the result is between 2.0 pCi/L and 4.0 pCi/L**, consider fixing (i.e., lowering) the radon in that room.
- **If the result is from 4.0 pCi/L to 8.0 pCi/L**, perform a follow-up measurement of that room using a long-term test. This test should be conducted over as much of a nine-month school year as possible, when the room is likely to be occupied. If that result is equal to or greater than 4.0 pCi/L, the radon in the room should be fixed (i.e., lowered).
- **If the initial short-term test result is equal to or greater than 8.0 pCi/L**, conduct a second short-term test and average its result with the initial short-term test result. If the average of the two is equal to or greater than 4.0 pCi/L, radon in the room should be fixed (i.e., lowered).

Note: A great difference in the results of the short-term tests may indicate a flaw in the testing process. Investigate and consider retesting. For situations in which one of the test results is equal to or greater than 4.0 pCi/L, if the higher result is two or more times the lower result, repeat the test.

### **LIMITATIONS OF SCOPE**

This study was limited to the tests and locations as previously indicated. The site may have other environmental concerns that will not be characterized by this study. The findings and conclusions of this work are not scientific certainties, but probabilities based on professional judgment concerning the significance of the data gathered during this investigation. PBS is not able to represent conditions on the site or adjoining sites beyond those detected or observed by PBS.

Please feel free to contact me at 503.209.1500 or Rich.Dufresne@pbsusa.com with any questions or comments.

Sincerely,

Rich Dufresne  
Senior Project Manager

Attachment: AirChek, Inc., Laboratory Analysis Report

BC:RD:mo

Radon test result report for:**WOODBURN S.D. WELCOME CENTER  
MAIN**

<b>Kit #</b>	<b>Room Id</b>	<b>Started</b>	<b>Ended</b>	<b>pCi/L</b>	<b>Analyzed</b>
9368054	MAIN WELCOME CENTER 1	2020-02-05 @ 3:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368065	MAIN WELCOME CENTER 2	2020-02-05 @ 3:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368059	OFFICE 1	2020-02-05 @ 3:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368058	OFFICE 2	2020-02-05 @ 3:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368057	OFFICE 3	2020-02-05 @ 3:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368056	OFFICE 4	2020-02-05 @ 3:00 pm	2020-02-07 @ 10:00 pm	0.5 ± 0.3	2020-02-11
9368055	OFFICE 5	2020-02-05 @ 3:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368066	OFFICE 6	2020-02-05 @ 3:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368067	OFFICE 7	2020-02-05 @ 3:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368060	ROOM 102	2020-02-05 @ 3:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368063	ROOM 103	2020-02-05 @ 3:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368061	ROOM 103 BLANK	2020-02-05 @ 3:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368062	ROOM 103 DUP	2020-02-05 @ 3:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11