



November 7, 2017

Casey Waletich  
Executive Director of Facilities, Safety, and Operations  
Hillsboro School District  
4901 SE Witch Hazel Road  
Hillsboro, Oregon 97123

Via email: waleticc@hsd.k12.or.us

Regarding: District Wide Radon Testing  
Facilities and Support Services Building  
4901 SE Witch Hazel Road  
Hillsboro, Oregon  
PBS Project 23440.024, Phase 0002

Dear Mr. Waletich:

From October 10 to October 13, 2017, PBS Engineering and Environmental Inc. (PBS) performed short term radon testing at Facilities and Support Services Building located at 4901 SE Witch Hazel Road in Hillsboro, 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 Air Chek, 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 Facilities and Support Services Building tested below 4.0 pCi/L.**

See the attached Laboratory Analysis Report for more details.

In addition to the EPA recommendation that radon concentrations 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 as a whole 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 the course of 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 503.417.7694 or [chris.boyce@pbsusa.com](mailto:chris.boyce@pbsusa.com) with any questions or comments.

Sincerely,



Chris Boyce  
Project Manager

Attachment: AirChek, Inc Laboratory Analysis Report

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Radon test result report for:  
**FACILITIES BLDG**  
**MAIN**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
7889101	BLANK	2017-10-10 @ 11:00 am	2017-10-13 @ 1:00 pm	< 0.3	2017-10-16
7889119	CARPENTRY OFFICE	2017-10-10 @ 12:00 pm	2017-10-13 @ 1:00 pm	0.9 ± 0.3	2017-10-16
7889120	CARPENTRY SHOP	2017-10-10 @ 12:00 pm	2017-10-13 @ 1:00 pm	1.1 ± 0.3	2017-10-16
7889116	CLERICAL	2017-10-10 @ 12:00 pm	2017-10-13 @ 2:00 pm	0.6 ± 0.2	2017-10-16
7889105	CONST.CONFERENCE	2017-10-10 @ 11:00 am	2017-10-13 @ 1:00 pm	0.8 ± 0.3	2017-10-16
7889102	CONST.RECEPTION	2017-10-10 @ 11:00 am	2017-10-13 @ 1:00 pm	0.8 ± 0.3	2017-10-16
7889103	COPY	2017-10-10 @ 11:00 am	2017-10-13 @ 1:00 pm	0.9 ± 0.3	2017-10-16
7889113	CUSTODIAL OFFICE	2017-10-10 @ 12:00 pm	2017-10-13 @ 2:00 pm	< 0.3	2017-10-16
7889115	FAC. COORDINATOR	2017-10-10 @ 12:00 pm	2017-10-13 @ 2:00 pm	< 0.3	2017-10-16
7889117	FAC. RECEPTION	2017-10-10 @ 12:00 pm	2017-10-13 @ 2:00 pm	0.5 ± 0.2	2017-10-16
7889114	FAC. SUPER. OFF.	2017-10-10 @ 12:00 pm	2017-10-13 @ 2:00 pm	< 0.3	2017-10-16
7889118	FAC.CONFERENCE	2017-10-10 @ 12:00 pm	2017-10-13 @ 2:00 pm	< 0.3	2017-10-16
7889123	GEN. STORAGE-DUP	2017-10-10 @ 12:00 pm	2017-10-13 @ 1:00 pm	1.5 ± 0.3	2017-10-16
7889122	GENERAL STORAGE	2017-10-10 @ 12:00 pm	2017-10-13 @ 1:00 pm	1.7 ± 0.3	2017-10-16
7889110	LUNCH/BREAK RM	2017-10-10 @ 12:00 pm	2017-10-13 @ 1:00 pm	0.7 ± 0.3	2017-10-16
7889104	MAIN OFFICE	2017-10-10 @ 11:00 am	2017-10-13 @ 1:00 pm	1.1 ± 0.3	2017-10-16
7889107	OFFICE- CUB.-DUP	2017-10-10 @ 12:00 pm	2017-10-13 @ 1:00 pm	0.9 ± 0.3	2017-10-16
7889106	OFFICE- CUBICLES	2017-10-10 @ 11:00 am	2017-10-13 @ 1:00 pm	0.7 ± 0.2	2017-10-16
7889111	OPEN OFFICE	2017-10-10 @ 12:00 pm	2017-10-13 @ 1:00 pm	0.8 ± 0.2	2017-10-16
7889108	RACK STORAGE	2017-10-10 @ 12:00 pm	2017-10-13 @ 1:00 pm	1.8 ± 0.3	2017-10-16
7889109	RECEIVING OFFICE	2017-10-10 @ 12:00 pm	2017-10-13 @ 1:00 pm	1.2 ± 0.3	2017-10-16
7889112	SECURITY OFFICE	2017-10-10 @ 12:00 pm	2017-10-13 @ 1:00 pm	0.6 ± 0.3	2017-10-16
7889121	TECH. SHOP	2017-10-10 @ 12:00 pm	2017-10-13 @ 1:00 pm	1.5 ± 0.3	2017-10-16