



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
Woodburn High School
1785 N Front Street
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 Woodburn High School located at 1785 N Front Street 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 Woodburn High School 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 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 503.209.1500 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:**MAIN GYM 1
MAIN**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9367875		2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367882	CUSTODIAL OFFICE	2020-02-05 @ 7:00 pm	2020-02-07 @ 11:00 pm	0.7 ± 0.3	2020-02-11
9367878	CUSTODIAL OFFICE DUP	2020-02-05 @ 7:00 pm	2020-02-07 @ 11:00 pm	0.7 ± 0.3	2020-02-11
9367877	KITCHEN OFFICE	2020-02-05 @ 7:00 pm	2020-02-07 @ 11:00 pm	0.5 ± 0.3	2020-02-11
9367880	KITCHEN OFFICE DUP	2020-02-05 @ 7:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367873	MAIN GYM 2	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367872	MENS LOCKER OFFICE	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367884	ROOM 100	2020-02-05 @ 7:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367900	ROOM 100 OFFICE	2020-02-05 @ 7:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367883	ROOM 101	2020-02-05 @ 7:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367879	ROOM 102	2020-02-05 @ 7:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367888	ROOM 103	2020-02-05 @ 7:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367885	ROOM 105	2020-02-05 @ 7:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367876	ROOM 105 BLANK	2020-02-05 @ 7:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367890	ROOM 105 DUP	2020-02-05 @ 7:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367899	ROOM 106	2020-02-05 @ 7:00 pm	2020-02-07 @ 10:00 pm	0.6 ± 0.3	2020-02-11
9367898	ROOM 107	2020-02-05 @ 7:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367897	ROOM 108	2020-02-05 @ 7:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367896	ROOM 109	2020-02-05 @ 7:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367895	ROOM 110	2020-02-05 @ 7:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367893	ROOM 111	2020-02-05 @ 7:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367894	ROOM 112	2020-02-05 @ 7:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367892	ROOM 113	2020-02-05 @ 7:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367887	ROOM 115	2020-02-05 @ 7:00 pm	2020-02-07 @ 10:00 pm	0.5 ± 0.3	2020-02-11
9368068	ROOM 116	2020-02-05 @ 8:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9368064	ROOM 116 BLANK	2020-02-05 @ 8:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9368069	ROOM 116 OFFICE	2020-02-05 @ 8:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9368079	ROOM 117	2020-02-05 @ 7:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368077	ROOM 117 BLANK	2020-02-05 @ 7:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368078	ROOM 117 DUP	2020-02-05 @ 7:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9368076	ROOM 118	2020-02-05 @ 7:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368070	ROOM 118 DUP	2020-02-05 @ 7:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9368075	ROOM 119	2020-02-05 @ 7:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9368074	ROOM 120	2020-02-05 @ 7:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368073	ROOM 121	2020-02-05 @ 7:00 pm	2020-02-07 @ 10:00 pm	0.7 ± 0.3	2020-02-11
9368072	ROOM 122	2020-02-05 @ 7:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9368071	ROOM 123	2020-02-05 @ 7:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11

April 17, 2020

**** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
MAIN GYM 1
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9367874	ROOM 716	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11

Air Chek 1936 Butler Bridge Rd, Mills River, NC 28759-3892 Phone: (828) 684-0893 Fax: (828) 684-8498

Radon test result report for:
WOODBURN HIGH
AIS

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9368107	COMPUTER LOUNGE	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368106	CONFERENCE 1	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368125	COUNSELING CENTER	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368101	MAIN OFFICE	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368120	MS. RANDI	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368102	PRINCIPAL OFFICE	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368110	ROOM 801	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368113	ROOM 802	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368111	ROOM 802 BLANK	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368112	ROOM 802 DUP	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368109	ROOM 803	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368108	ROOM 804	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368104	ROOM 805	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368122	ROOM 807	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368121	ROOM 809	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368123	ROOM 810	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368127	ROOM 812	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368119	ROOM 813	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368118	ROOM 814	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368117	ROOM 815	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368116	ROOM 816	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368115	ROOM 817	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368114	ROOM 818	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368103	ROOM S2	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368105	ROOM S3	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9368124	STAFF ROOM	2020-02-05 @ 9:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11

Radon test result report for:

**WOODBURN HIGH SCHOOL
MAIN**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9367850	ADMIN CONF	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367852	ADMIN CONF BLANK	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367853	ADMIN CONF DUP	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367825	ADMIN MAIN	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367865	ATH DEPT. MAIN	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367864	ATH DEPT. OFF. 2	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367863	ATH DEPT. OFFICE 1	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367868	AUX GYM 1	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367867	AUX GYM 2	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367871	AUX GYM OFFICE	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367836	COMMONS 1	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367827	COMMONS 1	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367843	LIBRARY 1	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	0.6 ± 0.3	2020-02-11
9367842	LIBRARY 2	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	1.0 ± 0.3	2020-02-11
9367839	LIBRARY COMP. LAB	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367835	MAIN OFFICE	2020-02-05 @ 4:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367830	OFFICE CONF	2020-02-05 @ 4:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367824	ROOM 201	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	0.5 ± 0.3	2020-02-11
9367849	ROOM 203	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367858	ROOM 204	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	1.0 ± 0.3	2020-02-11
9367845	ROOM 205	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	0.5 ± 0.3	2020-02-11
9367859	ROOM 206	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367826	ROOM 207	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367857	ROOM 208	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367847	ROOM 209	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	0.5 ± 0.3	2020-02-11
9367856	ROOM 210	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367855	ROOM 211	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367854	ROOM 212	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	0.7 ± 0.3	2020-02-11
9367840	ROOM 303	2020-02-05 @ 5:00 pm	2020-02-07 @ 11:00 pm	0.6 ± 0.3	2020-02-11
9367810	ROOM 309	2020-02-05 @ 6:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367811	ROOM 310	2020-02-05 @ 6:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367812	ROOM 311	2020-02-05 @ 6:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367813	ROOM 312	2020-02-05 @ 6:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367814	ROOM 313	2020-02-05 @ 6:00 pm	2020-02-07 @ 10:00 pm	0.5 ± 0.3	2020-02-11
9367815	ROOM 314	2020-02-05 @ 6:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367818	ROOM 315	2020-02-05 @ 5:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367844	ROOM 315 DUP	2020-02-05 @ 5:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11

Radon test result report for:

**WOODBURN HIGH SCHOOL
MAIN**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9367816	ROOM 318	2020-02-05 @ 5:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367817	ROOM 319	2020-02-05 @ 5:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367801	ROOM 320	2020-02-05 @ 5:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367846	ROOM 322	2020-02-05 @ 5:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367851	ROOM 323	2020-02-05 @ 5:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367823	ROOM 323 DUP	2020-02-05 @ 5:00 pm	2020-02-07 @ 10:00 pm	< 0.3	2020-02-11
9367829	ROOM 400	2020-02-05 @ 4:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367828	ROOM 401	2020-02-05 @ 4:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367822	ROOM 402	2020-02-05 @ 4:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367821	ROOM 403	2020-02-05 @ 4:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367820	ROOM 404	2020-02-05 @ 4:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367831	ROOM 409	2020-02-05 @ 4:00 pm	2020-02-07 @ 11:00 pm	0.8 ± 0.3	2020-02-11
9367832	ROOM 410	2020-02-05 @ 4:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367834	ROOM 413	2020-02-05 @ 4:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367803	ROOM 513	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367819	ROOM 515	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367866	ROOM 602	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367870	ROOM 602 BLANK	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367869	ROOM 603	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367805	ROOM 613	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367806	ROOM 613 OFFICE	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367808	ROOM 615	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367807	ROOM 616	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367861	ROOM 618	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367862	ROOM 618 DUP	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367802	THEATER 1	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11
9367860	THEATER 2	2020-02-05 @ 6:00 pm	2020-02-07 @ 11:00 pm	< 0.3	2020-02-11