March 25, 2020

Joe Crelier
Director of Risk Management
Portland Public Schools
PO Box 3107
Portland, Oregon 97208

Via email: jcrelier@pps.net

Regarding: Radon Testing
Faubion School
2930 NE Dekum Street
Portland, Oregon 97211
PBS Project 6500.825, Phase 0001

Dear Mr. Crelier:

From February 18 to February 21, 2020, PBS Engineering and Environmental Inc. (PBS) performed short-term radon testing at Faubion School, located at 2930 NE Dekum Street in Portland, Oregon.

The Environmental Protection Agency (EPA) recommends, and the Oregon Health Authority (OHA) requires, that school 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 that all short-term radon test results at Faubion 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 not exceed 4.0 pCi/L, OHA recommends that 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 503.417.7724 or marli.heininger@pbsusa.com with any questions or comments.

Sincerely,

Marli Heininger
2020.03.25
12:27:29 -07'00'

Marli Heininger
Industrial Hygienist

Attachment: Air Chek Laboratory Analysis Report

MH:mo

February 24, 2020 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
FAUBION
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9378313	183Q	2020-02-18 @ 5:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9370294	ASSIST PRINCIPAL	2020-02-18 @ 2:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9367949	CAFETERIA 1	2020-02-18 @ 2:00 pm	2020-02-21 @ 7:00 am	< 0.3	2020-02-24
9370198	CAFETERIA 2	2020-02-18 @ 2:00 pm	2020-02-21 @ 7:00 am	0.8 ± 0.3	2020-02-24
9367955	CLASSRM 112 DUP	2020-02-18 @ 2:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367959	CLASSROOM 112	2020-02-18 @ 2:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367987	CLASSROOM 115	2020-02-18 @ 4:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367988	CLASSROOM 117	2020-02-18 @ 4:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367993	CLASSROOM 119	2020-02-18 @ 4:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367974	CLASSROOM 181	2020-02-18 @ 3:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9367976	CLASSROOM 184	2020-02-18 @ 3:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9367975	CLASSROOM 186	2020-02-18 @ 3:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9370299	CONCORDIA SUPPRT	2020-02-18 @ 2:00 pm	2020-02-21 @ 7:00 am	< 0.3	2020-02-24
9367960	CONFERENCE 110	2020-02-18 @ 2:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367956	CUSTODIAL OFFICE	2020-02-18 @ 3:00 pm	2020-02-21 @ 8:00 am	0.6 ± 0.3	2020-02-24
9370292	DEAN OFFICE	2020-02-18 @ 2:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9370295	DEAN OFFICE BLNK	2020-02-18 @ 2:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9367972	ELC ENTRY	2020-02-18 @ 3:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367958	GYMNASIUM 1	2020-02-18 @ 3:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9370293	HEALTH OFF	2020-02-18 @ 2:00 pm	2020-02-21 @ 7:00 am	0.6 ± 0.3	2020-02-24
9378322	KP RECEPTION	2020-02-18 @ 5:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9378325	KP RECPTN DUP	2020-02-18 @ 5:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367998	LACTATION ROOM	2020-02-18 @ 4:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9367962	MUSIC/DANCE	2020-02-18 @ 3:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367964	PE OFFICE	2020-02-18 @ 3:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367966	PK STAFF ROOM	2020-02-18 @ 3:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9370199	RECEPTION	2020-02-18 @ 2:00 pm	2020-02-21 @ 7:00 am	< 0.3	2020-02-24
9370200	RECPTN SM CNFRNC	2020-02-18 @ 2:00 pm	2020-02-21 @ 7:00 am	< 0.3	2020-02-24
9367967	RM 118A	2020-02-18 @ 3:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9367968	RM 118A BLNK	2020-02-18 @ 3:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9367965	RM 118B	2020-02-18 @ 3:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9370296	ROOM 103 D	2020-02-18 @ 2:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9370298	ROOM 103B	2020-02-18 @ 2:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9370297	ROOM 103E	2020-02-18 @ 2:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9370196	ROOM 103F	2020-02-18 @ 2:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9370300	ROOM 103F DUP	2020-02-18 @ 2:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9367999	ROOM 104A	2020-02-18 @ 4:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24

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

February 24, 2020 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
FAUBION
MAIN

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9368000	ROOM 104B	2020-02-18 @ 4:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9367989	ROOM 120	2020-02-18 @ 4:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367990	ROOM 141	2020-02-18 @ 4:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367991	ROOM 141 DUP	2020-02-18 @ 4:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367992	ROOM 143	2020-02-18 @ 4:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367973	ROOM 144	2020-02-18 @ 3:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367994	ROOM 145	2020-02-18 @ 4:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367995	ROOM 147	2020-02-18 @ 4:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367969	ROOM 148	2020-02-18 @ 3:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367996	ROOM 149	2020-02-18 @ 4:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367997	ROOM 153	2020-02-18 @ 4:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367970	ROOM 156 C	2020-02-18 @ 3:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9370197	ROOM 156 D	2020-02-18 @ 3:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367971	ROOM 156C DUP	2020-02-18 @ 3:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367986	ROOM 161	2020-02-18 @ 4:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9367985	ROOM 161A	2020-02-18 @ 4:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9367984	ROOM 163	2020-02-18 @ 4:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9367983	ROOM 163 BLANK	2020-02-18 @ 4:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9367982	ROOM 167	2020-02-18 @ 4:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9367978	ROOM 169	2020-02-18 @ 3:00 pm	2020-02-21 @ 9:00 am	0.7 ± 0.3	2020-02-24
9367981	ROOM 171	2020-02-18 @ 4:00 pm	2020-02-21 @ 9:00 am	< 0.3	2020-02-24
9378321	ROOM 183D	2020-02-18 @ 5:00 pm	2020-02-21 @ 8:00 am	0.6 ± 0.3	2020-02-24
9378320	ROOM 183D DUP	2020-02-18 @ 5:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9378319	ROOM 183F	2020-02-18 @ 5:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9378317	ROOM 183G	2020-02-18 @ 5:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9378316	ROOM 183H	2020-02-18 @ 5:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9378315	ROOM 183J	2020-02-18 @ 5:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9378318	ROOM 183K	2020-02-18 @ 5:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9378312	ROOM 183L	2020-02-18 @ 5:00 pm	2020-02-21 @ 8:00 am	0.7 ± 0.3	2020-02-24
9378324	ROOM 183L BLANK	2020-02-18 @ 5:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9378301	ROOM 183M	2020-02-18 @ 5:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9378323	ROOM 183P	2020-02-18 @ 5:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9378314	ROOM 183R	2020-02-18 @ 5:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367979	ROOM 188	2020-02-18 @ 3:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367980	ROOM 188 DUP	2020-02-18 @ 3:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367977	ROOM 192	2020-02-18 @ 3:00 pm	2020-02-21 @ 8:00 am	< 0.3	2020-02-24
9367957	SUN OFFICE	2020-02-18 @ 3:00 pm	2020-02-21 @ 7:00 am	< 0.3	2020-02-24

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