

INDUSTRIAL HYGIENE REPORT

RADON TESTING REPORT

Sprague High School

Report to: Vonnie B. Good, EHS Salem Keizer School District

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On-site: April 4–7, 2016

Report: April 12, 2016

PURPOSE

Radon monitoring was done to measure the radon levels in the Northwest Quadrant classrooms that are in contact with the ground, as a follow up after the operation of the ventilation system for this area of the school had been improved.

CONCLUSION AND RECOMMENDATION

All classrooms had very low to non-detectable levels of radon.

TESTING

Radon Air-Chek short-term test devices were used in the rooms by suspending the device in each room. The testing occurred from April 4-7, 2016, during normal and routine school ventilation system operation.

EPA RADON GUIDELINES

The EPA has set an Action Level of 4.0 pCi/L (picoCuries per liter) for schools. If classrooms or buildings have radon levels at or above 4.0 pCi/L, EPA recommends that schools take action to reduce the level. These actions include:

Step 1. If your result is 4.0 pCi/L or higher take a follow-up test (Step 2) to be sure.

Step 2. Follow up with either a long-term test or a second short-term test:

CONTROL OF RADON LEVELS IN SCHOOLS

The major control mechanism for lowering radon levels within school buildings is the use of dilution ventilation. If the amount of outside air delivered into a building increases, the radon levels should decrease. A subslab depressurization system was installed to mitigate radon levels in the Northwest Quadrant of Sprague High School. Annual testing has shown that the mitigation system is successful in ensuring low levels of radon in the school.

Sample Data Attached

Radon test result report for:

**SK
SPRAGUE**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
8153257	116	2016-04-04 @ 9:00 am	2016-04-07 @ 9:00 am	0.6 ± 0.2	2016-04-08
8153259	117	2016-04-04 @ 9:00 am	2016-04-07 @ 9:00 am	0.7 ± 0.2	2016-04-08
8153256	118	2016-04-04 @ 9:00 am	2016-04-07 @ 9:00 am	0.7 ± 0.2	2016-04-08
8153258	119	2016-04-04 @ 9:00 am	2016-04-07 @ 9:00 am	0.5 ± 0.2	2016-04-08
8153260	121	2016-04-04 @ 9:00 am	2016-04-07 @ 9:00 am	0.6 ± 0.2	2016-04-08
8153261	122	2016-04-04 @ 9:00 am	2016-04-07 @ 9:00 am	< 0.3	2016-04-08
8153263	123	2016-04-04 @ 9:00 am	2016-04-07 @ 9:00 am	0.8 ± 0.2	2016-04-08
8153262	124	2016-04-04 @ 9:00 am	2016-04-07 @ 9:00 am	0.5 ± 0.2	2016-04-08

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