

INDUSTRIAL HYGIENE REPORT

RADON TESTING REPORT

Candalaria School

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

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Reviewed By: DeEtta Burrows, MSPH, CIH – Wise Steps, Inc.

On-site: April 4–7, 2016

Report: April 12, 2016

PURPOSE

Radon monitoring was done to measure the background levels in offices and workrooms where the previous radon tests found elevated levels.

CONCLUSION AND RECOMMENDATION

The two tested rooms in the basement, Room 6 and Office 6A, had very low levels of radon. The Speech Office on the main floor of the building was above Salem Keizer School District recommended level of 2.7 pCi/L. The Speech office radon level was @3.8 pCi/L.

It is recommended that a new or improved ventilation system for this office be installed to increase the amount of conditioned outdoor air to the room. Retest the Speech Room for radon levels after the ventilation system has been improved.

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

Salem Keizer School District has determined that 2.7 pCi/L is a target level where retesting should be done.

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. Radon mitigation systems have been installed at Candalaria. They are maintaining low levels of radon throughout the school, with the exception of the Speech Room.

Sample Data Attached

Radon test result report for:

SK

CANDALARIA

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
8153265	6	2016-04-04 @ 10:00 am	2016-04-07 @ 10:00 am	0.9 ± 0.2	2016-04-08
8153266	6A	2016-04-04 @ 10:00 am	2016-04-07 @ 10:00 am	1.4 ± 0.2	2016-04-08
8153264	SPEECH	2016-04-04 @ 10:00 am	2016-04-07 @ 10:00 am	3.8 ± 0.3	2016-04-08

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