

INDUSTRIAL HYGIENE REPORT

RADON TESTING REPORT

Liberty School

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

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On-site: January 5–8, 2016

Report: January 13, 2016

PURPOSE

Follow up radon testing was done in classrooms 20, 21, and 22 to determine if the radon levels are remaining below the EPA's Action Level after installation of the radon mitigation system.

CONCLUSION

All test locations had low levels of radon, indicating the radon mitigation controls are continuing to reduce the radon gas levels in the classrooms.

SAMPLE RESULTS

Room 20 - In January 2016 the level is now 0.8 pCi/L. In December 2012, the level was 3.3 pCi/L and in January 2015, the level was 2.7 pCi/L.

Room 21- In January 2016 the level is now 1.7 pCi/L. In December 2012, the level was 4.5 pCi/L and in January 2015, the level was 2.0 pCi/L.

Room 22- In January 2016 the level is now 1.6 pCi/L. In December 2012, the level was 4.6 pCi/L and in January 2015, the level was 2.0 pCi/L.

TESTING

Radon Air-Chek short-term test devices were used in the rooms by suspending the device in each room. The testing occurred from January 5-8, 2016, during normal and routine school ventilation system operation, as well as with the radon mitigation system in 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. A subslab depressurization system was installed in in this school.

Sample Data Attached

Radon test result report for:

**SK
LIBERTY**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
4925919	20	2016-01-05 @ 10:00 am	2016-01-08 @ 1:00 pm	0.8 ± 0.3	2016-01-12
4925920	21	2016-01-05 @ 10:00 am	2016-01-08 @ 1:00 pm	1.7 ± 0.3	2016-01-12
4925921	22	2016-01-05 @ 10:00 am	2016-01-08 @ 1:00 pm	1.6 ± 0.3	2016-01-12

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