

Salem Keizer School District

RADON TESTING SAMPLE REPORT

On-site: November 21-23, 2011

Report: December 1, 2011

PURPOSE

Radon testing was done in frequently-occupied rooms or offices in contact with the ground in Crossler Middle School during the Fall parent teacher conference break while the ventilation system operated on the routine fully occupied program.

CONCLUSION

All tested classroom had radon levels at very low to no detectable concentrations. The offices, especially in the school's main office complex had higher concentrations of radon, which may reflect the amount of ventilation provided in these areas. It is recommended that the amount of outside air delivered to the offices should be increased in order to dilute and remove radon.

TESTING

Radon Air-Chek short-term test devices were used in each location by suspending the device in each room. The testing occurred from Monday, November 21 to Wednesday, November 23 during normal and routine school ventilation system operation, which is generally between 6AM-4PM.

These short-term devices work by trapping room air inside the grains of charcoal within the devices, meaning that live radon gas is being captured. The analysis is performed by measuring the radiation emitted from the charcoal, which is proportional to the amount of radon that was present in the room air.

Crossler Radon Test Summary

Test Locations	November 2011
	RADON LEVELS pCi/l
School Main Office (D019)	1.8
Attendance (Bookkeeper) (D007)	4.3
Assistant Principal (D015)	2.1
Principal (D017)	4.0
Registrar (D021)	3.3
Office Manager (D016)	2.8
Office 1	3.4
Office 2	1.7
Passroom (D019)	1.9
Liaison	0.7
Classroom 100	<0.3
100A	0.6
100B	<0.3
101	<0.3
102	0.9
103	<0.3
104	0.7
105	0.9
106	<0.3
107	<0.3
108	1.1
109	0.7
110	<0.3
111	0.8
112	0.8
113	0.9
114	<0.3
115	<0.3
116	0.6
117	0.9
118	<0.3
119	0.9
120	<0.3
121	0.5
122	<0.3
123	0.7
Boys PE Office	0.9
Girls PE Office	0.9
Custodian office	0.8
Exercise gym	0.7
Kitchen office	0.6
Music Office	<0.3
Staff Dining	0.6
EPA Action Level	4.0