

Salem Keizer School District
Candalaria School
RADON TESTING SAMPLE REPORT

On-site December 13 -15, 2011
Report December 20, 2011

PURPOSE

Comprehensive testing in all classrooms and offices for radon levels was conducted in Candalaria School to track the levels after modifications to the ventilation system had been completed. This testing was also part of our annual radon testing of the school.

TESTING

Radon Air-Chek short-term test devices were used in each location by suspending the device in each room. The testing occurred from Tuesday December 12 to Thursday December 15 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 lab 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.

The tests found all occupied rooms and offices were below the EPA recommended level of 4 pCi/l. The large workroom in the crawlspace, however, had high concentrations at 16 pCi/l.

RECOMMENDATION

The large workroom should be abandoned as a work area for teachers or volunteers.

**Salem Keizer School District
Candalaria School
RADON TESTING SUMMARY REPORT December 20, 2011**

Test Results

LOCATION	July 2001	May 2009	June 2009	January 2010	March 2010	April 2010	April 26 2010	June 2010	December 2011
Classroom 1			<0.3		<0.3			<0.3	0.7
Classroom 2	0.9	4.0	<0.3		<0.3		<0.3	<0.3	0.6
Classroom 3					1.1		<0.3	<0.3	1.0
Classroom 4			1.4		<0.3		0.8	<0.3	<0.3
Classroom 5 (Music)			1.2		4.8	6.5	0.7	<0.3	1.4
Classroom 6			3.6	8.2	3.1	3.4	5.8	2.4	2.2
Classroom 6 office						3.8	6	2.1	2.2
Library					0.9			<0.3	0.9
Media					1.1			<0.3	1.3
Classroom 8					1.1		1.2	<0.3	0.7
Classroom 9					0.9		2	<0.3	0.8
Classroom 10					0.6		<0.3	<0.3	<0.3
Classroom 11					1.0		<0.3	<0.3	<0.3
Classroom 12					1.5		3.5	<0.3	1.3
Classroom 13					1.5		5.1	<0.3	2.0
Classroom 14					1.4		3.5	<0.3	1.5

LOCATION	July 2001	May 2009	June 2009	January 2010	March 2010	April 2010	April 26 2010	June 2010	December 2011
Classroom 15					0.9		2.6	<0.3	2.0
Portable classroom 16						<0.3	0.5	<0.3	<0.3
Portable classroom 17						<0.3	<0.3	<0.3	0.6
Counselor's office					1.5		<0.3	0.9	1.0
Speech office					3.4	6.9	<0.3	<0.3	2.9
Principal's office					2.7	6.0	<0.3	<0.3	1.2
School office				2.4	2.0		<0.3	<0.3	1.5
Cafeteria					0.7		<0.3	<0.3	0.9
Kitchen								<0.3	0.7
Custodial office					3.5	6.4	<0.3		2.2
Staff Room					3.5	3.9	7	3.2	1.7
Gym Office					3.6	1.5	0.7	4.2	0.6
Gym						<0.3	<0.3		<0.3
Crawlspace Behind Room 6					4.2		5.2		
Crawlspace - Large workroom				13.5	7.5		7	1.4	16.8