



DCSD Radon Testing and Mitigation Protocol
November 2010

Currently there is no regulatory guidance for radon testing in schools at this time. However, Adrian Howe, of the Nevada State Health Division, has indicated: “It is probably prudent to retest all areas annually at least until you have an established baseline. After that, you may consider testing only a representative portion of those rooms that have been consistently less than the 4.0 pCi/L.”

Taking the above statement into consideration, DCSD has established the following protocol for radon testing in schools. Please reference “Reducing Radon in Schools: A Team Approach” (U.S. EPA 402-R-008) for additional information.

<u>Step</u>	<u>Action</u>
1. Baseline Measurement	Measure an entire building or site by room to measure radon levels to determine a baseline measurement for that location.
2. Investigation	If any rooms tested during baseline measurement return elevated radon levels (equal or greater than 4.0 pCi/L), Maintenance Personnel will retest and investigate the circumstances of the location (including functionality of HVAC systems).
3. Mitigation	Mitigate any areas that returned elevated radon levels after retesting when results are equal or greater than 4.0 pCi/L. Various mitigation methods are used, and can range from simple HVAC adjustments to increase fresh air supply to installing sub-slab depressurization systems.
4. Re-test Mitigated Areas	Once mitigation efforts are complete, re-test areas of concern to determine if the mitigation reduced those levels. (**If levels were not lowered with first-round mitigation efforts, additional mitigation measures are implemented, and re-tested until levels are lowered.)
5. Annual Testing	Once radon levels are confirmed to be lower than 4.0 pCi/L, the building or site will be retested annually for two consecutive years to ensure radon levels remain below 4.0 pCi/L.
6. Alternating Annual Testing	Once a mitigated site or building returns annual testing results below 4.0 pCi/L for two consecutive years, the site will then be placed on an alternating annual testing schedule. A representative sampling of rooms will be selected to be tested during this time and if levels remain low, the site will remain on the alternating annual testing schedule.