



Welcome to  
**RADON**  
Awareness and the  
Importance of  
Testing

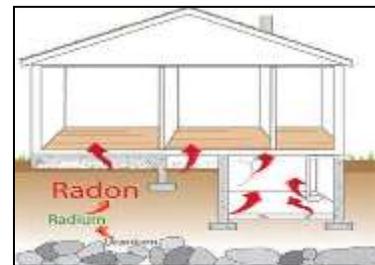


**740-501-6902**

Have you ever noticed people are always trying to promote products by saying “100% Natural” or “100% Pure”; well RADON gas is 100% natural, but that is *not* a good thing in this case.

Nature has many splendid features, some beautiful and pro-health, while other are destructive and even deadly. The best way to approach the mysteries of life, is with an even balance of nature and science. We achieve that with knowledge. Here are some easy to understand facts about Radon, and how important it is to monitor the Radon levels in your home.

***How does it get in to the home?*** Radon is a naturally occurring radioactive gas, that has no smell, no taste, or color. It is a bi-product generated by the decay of radium and uranium from deep within the earth. As the decay process happens, a gas is produced which emanates to the earth’s surface, all on its own power and completely undetected. Radon gas can penetrate a home through surface cracks in concrete or cinderblock foundations, travel through gravel floors found in crawl spaces, even follow gaps and spaces along pipes and sump-pump drains.



Once Radon has permeated a dwelling, it can have a big impact on indoor air quality. According to the Surgeon General, *indoor* Radon is a health problem in our nation. Its harmful to everyone, but especially to children and the elderly. The CDC, American Lung Association and World Health Organization all agree that Radon causes thousands of *preventable* lung cancer diagnoses every year. Radon is known as the second leading cause of lung cancer today, but it is also linked to emphysema, pulmonary fibrosis, chronic pneumonia, silicosis, respiratory lesions, as well as skin rashes, chronic coughing, wheezing, coughing with blood, reoccurring bronchitis and many breathing issues. The negative effects of Radon only worsen for smokers and those surrounded by secondary smoke. Sadly, there are no obvious signs of Radon activity to alert a homeowner he and his family are at risk. The only safety measures you can take is by being proactive and testing your home. Test when purchasing a home and periodically during ownership.

***How often do we need to test for Radon?*** Some say, being it is about the air we breathe, we should be as serious about yearly Radon testing, as we are for a yearly physical or visiting the dentist. Consider a yearly check-up for you and your home should now be the new normal.

Here are a few reasons why routine testing is a good idea.

### **Change in the Seasons:**



- If you purchased your home in the spring and performed a Radon test, you may want to do another during a different heating/cooling season; to establish a good base-line indicator of your home's Radon levels across a given year.
- Your measurements should ideally be 4 picocuries per liter or less to be safe.
- Repeat this base-line test every few years to be sure conditions have remained the same and the air quality is safe.

### **Renovations:**



- Renovations can certainly change the condition of the home which may result in allowing additional access for Radon to penetrate the dwelling.
- Before you move forward with finishing the basement, you should first test for Radon. The results may reveal that you need a mitigation system. Certainly, incorporating the mitigation system into the construction budget *before* the renovation begins is much smarter than testing the room at completion, only to find out you need to undo your work to vent or mitigate.
- The EPA explains that Radon can enter a home through floor cracks, construction joints, cracks in walls, gaps in suspended floors, gaps around service and water pipes, etc. If a major renovation project is in your future, consider testing first.

### **Earthquakes and Major Erosion Events:**



- Anytime the earth has a settling event, subsidence or shift, you should retest. Fissures in the earth can allow for the Radon gas to rise to the surface faster after such events.

**Thank you for reading.**

**Even though Radon is serious, it certainly may be resolved.**

**Falcon Home Inspections, LLC wants to assure you that even if Radon is detected in your home, there are solutions and professional teams ready with mitigation systems to keep you safe and provide you with peace of mind.**

**To learn more about Radon and why it is so important to test for it, please visit the EPA link below.**

[www.epa.gov/radon](http://www.epa.gov/radon) and look for the following topics:

[The Basics: What is Radon? Why is it a concern?](#)

[How does Radon get into the home?](#)

[How to Lower the Radon Levels in Your Home](#)

[The risk of living with Radoneffects](#)