

LARS ! KNOWS

RADON

Learn about its effects
on your home

MYTHS ABOUT RADON



LARS KNOBLOCH

HOME INSPECTOR

**PROTECT YOUR HOME,
PROTECT YOUR INVESTMENT**



LARS KNOWS RADON

Radon is a naturally occurring radioactive gas. It is produced by the breakdown (radioactive decay) of uranium in rock and soil. Even though it sounds like science fiction, radon is very real and very present in our area. High radon levels can be mitigated. Knowing about the problem is your first step to living in a healthy home.

Basements are typically the main area where we find radon gas, but it is not limited to homes with basements.

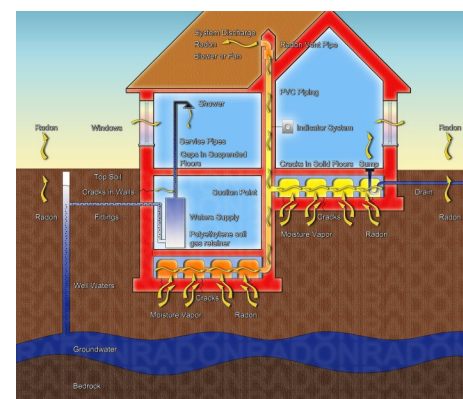
We have detected radon in homes with full basements, half basements and even slab on grade. Radon can enter the home anywhere the ground is in contact with your foundation. Radon has a short half-life of 3.8 days, but it is constantly being regenerated and will continue to enter the home.

The EPA recommends radon levels of 4.0 picocuries or less, while the World Health Organization (WHO) recommends 2.7 picocuries. Of the

180 radon tests Nordic Companies completed in our area in 2017, 60% were over 4.0 pCi/L.

According to the EPA, homes should be tested every two years. Colorless and odorless, you can't smell or taste radon, it doesn't cause you to cough, wheeze or be tired. The only thing it does is greatly increase your chances for lung cancer. The EPA and Surgeon General's office have estimated that radon is the second leading cause of





There are many variables that can affect a home's radon reading including seasons, wet or dry weather conditions or wind. Having your home properly tested by a certified professional is important to getting accurate results. Many counties offer at-home kits you can perform yourself, or you can hire a professional to do the testing and explain the test's

A home with high radon present can be mitigated with a Radon Reduction System. Here, the system commonly works with your home's already installed sump pump pit. The system will seal your sump pit, and a fan is installed to draw the radon gas out of your home's perimeter, before it even enters the home. The gas is then vented

At Nordic Home Inspection, we've tested over 1,500 homes in our area. We love knowing we've helped create healthy families within our community!

RADON MYTHS

LEARN THE FACTS ABOUT RADON

FALSE

- Radon tests from a neighbor's house are accurate indications of radon in your own home.
- Short-term tests aren't enough to make a decision about taking action to fix radon in your home.
- Vacant houses have more radon.
- Only smokers are affected by radon.
- Radon is something that is found in the desert.



TRUE

- Radon levels can vary greatly between next door neighbors.
- Short-term tests give you a great indication on radon levels and should be taken seriously.
- With a short half-life of 3.8 days, radon won't build up in a closed structure, but it will continue to enter the building.
- The majority of radon-related cancer deaths occur among smokers. However, it is estimated that more than 10 percent of radon-related cancer deaths occur among nonsmokers.
- All of North Dakota and Western Minnesota are known to have higher radon levels and are found in Zone 1 on the EPA's Radon exposure map. Zone 1 includes counties with predicted average indoor radon screening levels greater than 4 pCi/L.



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