



Kansas Radon Program

Engineering Extension
133 Ward Hall
Kansas State University
Manhattan, KS 66506
(800) 693-5343
www.kansasradonprogram.org

Make certain you hire a firm or individual that is a radon professional measurement specialist listed in a National Radon Measurement Proficiency program, such as National Environmental Health Association (NEHA) (www.neha.org) or National Radon Safety Board (NRSB) (www.nrsb.org).

***Test
your
home!***

Radon Testing Options for Homeowners

Protect your family . . . test your home

The Kansas Radon Program suggests that all homes in Kansas be tested for radon gas. A do-it-yourself test kit is an economical, easy to use, reliable, and readily available option. Alternatively, qualified professionals can also be hired to perform radon tests in homes.

A neighbor's reading cannot substitute for a reading in your home. Only testing can provide you with a level of confidence about the potential radon exposure you face.

The amount of radon in the air is measured in picocuries per liter of air (pCi/l). Approximately 0.2 to 1.0 pCi/l is normally found in outdoor air. The national estimated indoor average is about 1.3 Ci/l. EPA has set 4 pCi/l as the maximum average recommended indoor radon concentration. With the technology available today, most homes with high readings can be reduced to below 4 pCi/l. Many can be reduced to below 2 pCi/l.

Your testing process should begin with a short-term test of two to seven days. If your result is over 4 pCi/l, follow up with either a second short-term test or a long-term test.

Long-term tests give a better understanding of average radon levels. Short-term tests get results quickly. If either the average result of the two short-term tests or the result of a long-term test is over 4 pCi/l, you should consider taking steps to reduce radon levels.

There may be trained experts in your area who can test for you. Make certain you hire a firm or individual that is a radon measurement professional listed in a National Radon Measurement Proficiency program, such as

National Environmental Health Association (NEHA) (www.radongas.org) or National Radon Safety Board (NRSB) (www.nrsb.org). Lists of these firms and suppliers of test kits are available from the web sites listed above or from the Kansas Radon Program Coordinator at 1-800-693-5343 or online at www.kansasradonprogram.org.

If you are purchasing a new home, you should be aware that Kansas has adopted legislation related to radon testing during real estate transactions. As written in KS HB 2772, beginning July 1, 2009, all residential real property contracts in the state of Kansas will require the insertion of the following statement related to radon:

"Every buyer of residential real property is notified that the property may present exposure to dangerous concentrations of indoor radon gas that may place occupants at risk of developing radon-induced lung cancer. Radon, a class-A human carcinogen, is the leading cause of lung cancer in non-smokers and the second leading cause overall. Kansas law requires sellers to disclose any information known to the seller that shows elevated concentrations of radon gas in residential real property. The Kansas department of health and environment recommends all homebuyers have an indoor radon test performed prior to purchasing or taking occupancy of residential real property. All testing for radon should be conducted by a radon measurement technician. Elevated radon concentrations can be easily reduced by a radon mitigation technician. For additional information go to www.kansasradonprogram.org."

Radon Testing Options for Homeowners

“The best approach you can take as a homeowner is to conduct a short-term screening”

Surgeon General of the United States Health Advisory:

“Indoor radon gas is a national health problem. Radon causes thousands of deaths each year. Millions of homes have elevated radon levels. Most homes should be tested for radon. When elevated levels are confirmed, the problem should be corrected.”

Homeowners may purchase radon testing kits from local retail outlets, county health departments, extension offices, or by phone or mail. Prices range from \$5 to \$35.

Any radon detector you purchase must come with instructions on use, specifically the period of time the device should be exposed. The most popular, commercially available detectors are charcoal canister or pouches, and the alpha track detector.

Charcoal canisters/pouches are used for making short-term, average radon measurements over two to seven days. Alpha track detectors measure average radon levels for periods of three to 12 months.

Testing your home for radon will not disrupt your daily routine.

However, for the 12 hours before and throughout a short-term test, keep doors and windows closed as much as possible. During a long-term test, you can operate the home normally. Locate test kits where you spend the most time on the lowest livable level of the home.

Testing the basement and first and second floors at the same time can help you relate radon levels to where you spend the most time.

Avoid testing in kitchens, baths, drafts, heat, and high humidity. Living rooms or

bedrooms are good spots, especially if they are in basements. Do not test in crawl spaces, sumps, or on the floor.

After exposure, canisters and detectors should be sealed and immediately returned to the laboratory for analysis to determine the radon level to which the device was exposed. Results should be provided to you within 30 days. Some laboratories can give results over the Internet. You can be confident in the test results if you follow instructions carefully and immediately return the test kit to the laboratory.

In addition to testing radon levels, a homeowner concerned about radon exposure should consider other factors to determine radon risk. Does anyone in the household smoke? Are there children in the family? Do people spend unusually high amounts of time in the home, perhaps because of individual illnesses, ages, or occupations? Does anyone sleep in the basement where radon levels are higher than on other floors?

The more affirmative answers you have to these questions, the sooner you should act to measure and reduce radon levels in your home.

If you need more information or help with radon issues, please contact the Kansas Radon Program at 1-800-693-5343 or visit us on the Internet at <http://www.kansasradonprogram.org>.



Notice of nondiscrimination

Kansas State University is committed to nondiscrimination on the basis of race, sex, national origin, disability, religion, age, sexual orientation, or other nonmerit reasons, in admissions, educational programs or activities and employment (including employment of disabled veterans and veterans of the Vietnam Era), as required by applicable laws and regulations. Responsibility for coordination of compliance efforts and receipt of inquiries concerning Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, and the Americans With Disabilities Act of 1990, has been delegated to Clyde Howard, Director of Affirmative Action, Kansas State University, 214 Anderson Hall, Manhattan, KS 66506-0124, (Phone) 785-532-6220; (TTY) 785-532-4807.