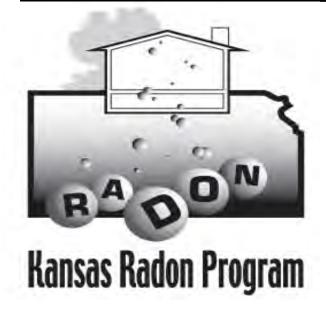
Kansas Radon Program Newsletter

Serving individuals certified in radon measurement, mitigation and laboratory services in Kansas.



January 2020

Questions? Let's Talk.

Certification Questions

Mark Ungerer/ Jason Meinholdt at KDHE: 785-296-1560 http://www.kdheks.gov/radiation/radon.htm

General Radon Questions

Brian Hanson at KSU: 785-532-4996

http://www.kansasradonprogram.org/

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On December 6, 2019, Governor Laura Kelly declared January 2020 Kansas Radon Action Month (KRAM).

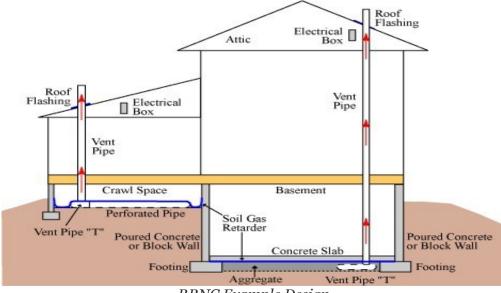
Pictured above from left to right: Ralph Pimentel, National Building Consultants; Britney Werth, KDHE; Brian Hanson, Kansas State University; Denise G. Dias, M.S., Johnson County K-State Research and Extension; Henri Menager, KDHE/Epidemiology; Mark Ungerer, KDHE/Radiation Control Program; Stephanie Lehmkuhl, Kansas State University; Kendra Baldridge, KDHE; Billie Toledo, Prairie Band Potawatomie Nation Division of Planning and Environmental Protection; Cindy Evans, Shawnee County K-State Research and Extension

Winter is an excellent time to encourage citizens to test their homes for radon gas. The U.S. Environmental Protection Agency recommends actively reducing indoor radon levels when homes are confirmed with 4.0 pCi/L of radon gas or higher. Kansas State Research and Extension (KSRE) county offices and all county health departments can obtain radon test kits for distribution from the Kansas Radon Program (KRP).

Chronic, long-term radon gas exposure in homes increases the long-term risk of developing lung cancer. Residential radon gas exposure is the number one leading cause of lung cancer death in the U.S. for non-smokers. The KRP is promoting KRAM through state-wide radio and television public education announcements in association with the Kansas Association of Broadcasters (KAB) between January 15 and March 15, 2020. KRP personnel are available to schedule public education programs on request throughout winter 2020. KRP personnel are also available for phone, newspaper or live broadcast interviews. The KRP encourages all KSRE offices and county health departments to include articles in monthly newsletters or newspaper columns promoting KRAM. Visit www.kansasradonprogram.org or call (800) 693-5343.



14TH ANNUAL RADON STAKEHOLDERS' CONFERENCE MARCH 3, 2020



RRNC Example Design

- SAVE THE DATE – TUESDAY, MARCH 3, 2020

Join us in Nebraska City, Nebraska at the Lied Lodge Hotel and Conference Center. This meeting is being held at no cost for all those that have a stake in protecting the public from unnecessary exposure to radon in their homes, schools and businesses. It is the intent of the U.S. EPA Region 7 and its partners to bring interested stakeholders together to discuss common issues, provide insight into the future, understand radon issues from other perspectives, share, educate and network. **Registration is now open. Go to:** https://www.surveymonkey.com/r/Y7GJNSL

Plan on arriving early for continuing education (CE) on March 2nd. The Heartland Chapter of American Association of Radon Scientists and Technologists (AARST) will be offering CE courses. More information on CE classes will follow. We hope to see you in Nebraska City, Nebraska!

For Hotel Reservations:

Lied Lodge Hotel and Conference Center 2700 Sylvan Road Nebraska City, NE 68410

Phone: **800-546-5433**

Conference Rate Cost: \$109.00 + Tax Government Rate With Proof of ID: \$96.00 + Tax To get conference rate, Reserve by February 1, 2020



U.S. EPA Region 7

Nebraska Department of Health and Human Services

Iowa Department of Public Health

Kansas Department of Health and Environment

Missouri Department of Health & Senior Services

Heartland Chapter of American Association of Radon Scientists and Technologists (AARST)

Questions?
Email Ellen Zoeller at
ellen.zoeller@nebraska.gov

or

Steven Brown at U.S. EPA
Region 7 at
brown.steven@epa.gov

Talk to Your Local Code Officials

Recently, a vote was taken by the International Code Council (ICC) to make changes to Appendix F of the International Residential Code (IRC) affecting Radon Resistant New Construction (RRNC). During this voting period, the Kansas Radon Program reached out to numerous code officials in Kansas to encourage voting in these matters. This outreach revealed that **many local code officials are extremely interested in learning how they can help adopt RRNC in their jurisdictions**. We would like to encourage members of our professional community to reach out to code officials you may know in your area and have a conversation with them about RRNC and the adoption of Appendix F. Simple outreach can go a long way in educating decision makers as to the best practices when it comes to radon measurement and mitigation and help to increase adoption of RRNC across Kansas. The Kansas Radon Program is always available to offer guidance to any and all code officials interested in adopting Appendix F in their jurisdiction.

Upcoming Training (more info on all of these at www.radoncourses.com)

Kansas State continues to offer radon entry-level and continuing education training to the Kansas radon industry.

- ⇒We offer monthly 2-day webinars on a variety of topics.
- ⇒We have online and correspondence courses always available.
- ⇒We have a classroom combined course and exams February 24-29, 2020 in Manhattan, KS.
- The annual day of 8 hours of radon CE associated with the EPA Region 7 Stakeholders meeting will be held on Monday March 2, 2020 in Nebraska City, NE.

You can find information on these and other training opportunities on our website - https://radoncourses.com/, by emailing radoncourse@ksu.edu, or by calling (833) 723-6222.

January - June

2020

Radon Course Schedule

Jan 13-14 Webinar

Entry-Level Measurement

Feb 10-11 Webinar

- Schools Meas/Mit
- Inspecting the Radon Mitigation System
 - Worker Health & Safety

Mar 9-11

Johnston, IA

Entry-Level

Measurement

Feb 10-15 Denver, CO

Entry-Level
Measurement
& Mitigation

Mar 28-29 Webinar

Entry-Level Measurement

Feb 24-29 Manhattan, KS

Entry-Level Measurement & Mitigation

Mar 30 - Apr 3 Johnston, IA

Entry-Level Mitigation

Mar 2 Nebraska City, NE

- Business Tune Up
- Personal Protection Equipment
- Radon Resistant New Construction
- Schools & Lg. Buildings Meas

Apr 6-7

Webinar

Content TBD

Suggestions welcome!

Course Options:

https://bit.ly/2rub0Cs

Apr 6-11 Omaha, NE

Entry-Level
Measurement
& Mitigation

Apr 20-25 Colorado Springs, CO

Entry-Level
Measurement
& Mitigation

Apr 27 - May 2 Dallas, TX

Entry-Level
Measurement
& Mitigation

May 11-12 Webinar

Entry-Level Measurement

June 15-20 Manhattan, KS

Entry-Level Measurement & Mitigation

June 29-30 Webinar Content TBD

Suggestions welcome!

Course Options:

https://bit.ly/2rub0Cs

Radon Courses

To view our full 2020 Course Schedule, please visit:

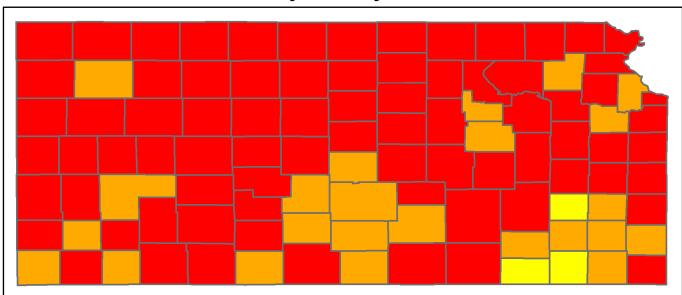
https://radoncourses.com/classroom/schedule

Register Early!*

Kansas Radon Program Unveils Updated Radon Maps for Kansas Counties

The county maps available on www.kansasradonprogram.org have been updated with information current through June 2018. These maps are descriptive of observed radon values in those counties, but are not designed to be predictive of individual home radon test results. These maps are available for use by the radon industry in Kansas as part of their promotional and educational efforts as long as the information presented is not altered. For more information, contact Brian Hanson at 785.532.4996 or at bhanson@ksu.edu.

2019 Kansas Radon Average Values by County



Average Radon Level = 4.6

Maximum Reported Radon Level = 1,121.6

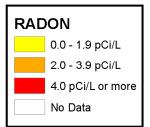
Total Number of Measurements = 161,690

Total Measurements 4 pCi/L or greater

Total Measurements 20 pCi/L or greater

Total Est. Mitigations (2005-2018) = 33,066

Copyright 2018, KDHE and Kansas State University. Caution: This map has been produced using data collected by KDHE through June of 2018. As further data becomes available, revision will be necessary. This map is provided free of charge to the public and is generated for study purposes only. Permission is hereby given to reproduce this map provided it is reproduced in its entirety without modification. This map cannot be used to characterize or predict indoor radon levels at any specific area or location. Measurement must be performed to determine radon levels in any given residence or building. Contact the Kansas Radon Program at (800) 693-5343.



Demystifying the Quality Assurance Plan

Quality Assurance Plan...do these words strike up feelings of fear, loathing or confusion to you? You are NOT alone! In a nutshell, your QAP is the way you insure quality to your customers and give validity to your measurements. It is a living, breathing document that will change as your business grows and changes, and as you update your business practices. Here are a few tips that will demystify the QAP, and hopefully clear up three common questions that seem to cause problems for many Measurement Technicians. Record keeping, crosschecks and calibration certificates do not need to be a source of confusion and dread. See how you can simplify your business practices and sync up your QAP to your daily habits.

A large percentage of business for many Measurement Techs is driven by real estate transactions, which makes good record keeping important for the purchase contract. Most business owners keep electronic records on their computers, but backup is critical—we have all had a computer fail. You have choices in how you back up your documents and data. Common options include external hard drive, flash drive, and cloud storage. Make sure you are backing up your data and backing it up as prescribed in your QAP. Set an alarm or calendar event as a reminder.

Duplicates and crosschecks seem to cause headaches for Measurement Techs everywhere. In short, a crosscheck is a duplicate measurement for a Continuous Radon Monitor. There is a wide variety of confusing things written in device manufacturer's standard QAPs provided to their

customers. Keep it simple and remember that crosschecks are run on 10% of all measurements made or 50/month, whichever is smaller.

CRMs need to be listed by serial number in your QAP and calibrated annually to insure quality measurements. For those Measurement Techs who utilize CRMs, please include the most current calibration certificates with your renewal paperwork. If a monitor is currently out for calibration, submit the most recent report available and we will be able to see that you are maintaining a proper calibration schedule.

Calibrated monitors, backed up data, and duplicate measurements are the backbone of your business, and add to the professionalism and overall quality of the Radon Industry. Hopefully, these items have made the contents Quality Assurance Plan less scary. Happy measuring!!

Clucklide for Measurement Technicians/aboratories. Instructions: Compare this checklids with your Goulffy Assurance Plan to make sure that you have addressed all three levens in your plan, and in your radion measurement practices. (Standards Represences: A FEP Professions for Replan and Markon Decay Product Measurements and Compared the Compared of the Compared

http://www.kdheks.gov/radiation/download/QAP Checklist.pdf