

# Kansas Radon Program

## Newsletter

Serving individuals certified in radon services in Kansas

## September 2024



## QUESTIONS?

### Certification Questions

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<https://www.kdhe.ks.gov/1061/Kansas-Radon>

### General Radon Questions

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[www.kansasradonprogram.org](http://www.kansasradonprogram.org)

## STANDARDS CHANGING

New state laws about radon  
standards in Kansas

2

## RADON DATA APP FAQs

Answers to data submission  
common questions

3

## QAP REMINDERS

Keep your QAP up-to-date  
and adjust it for the new  
standards requirements

4

## MFLB Standards in KS

ANSI-AARST standards are  
required in Kansas

5

## UPCOMING COURSES

6

## KRAM 2024

Governor's Proclamation

7

# Changes to Kansas Radon Standards Requirements: from EPA to ANSI/AARST Went into Effect in October 2023

In 2021, at the recommendation of the U.S. EPA, the KDHE Division of Public Health Radiation Control Section began the regulatory process to replace the U.S. EPA radon standards with the ANSI-AARST Standards for radon measurement and mitigation in Kansas.

The ANSI/AARST Standards that **WERE** adopted include those for single-family and multi-family residential buildings, schools, and other large buildings:

## Single Family

- MAH 2019
- SGM 2017 with 12/20 revisions

## Multi-family

- MAMF 2017 with 1/21 revisions
- RMS-MF 2018 w/ 12/20 revisions

## Large Buildings/Schools

- MALB 2014 with 1/21 revisions
- RMS-LB 2018 with 12/20 revisions

Videos reviewing these ANSI/AARST standards are available here:

<https://www.kansasradonprogram.org/KS-Radon-Series> or scan the QR codes below to watch.

Questions? Contact: Mark Ungerer or Alexis Crawford at KDHE: 785-296-1560

KDHE Webinar Nov 29, 2023 – +  
MAH 2019 Standard



KDHE Webinar Dec 6, 2023 –  
SGM-SF 2017 w/ 12/20 revisions



KDHE Webinar Dec 13, 2023 –  
MAMF 2017 w/ 1/21 & MALB 2014 w/ 1/21



KDHE Webinar Dec 20, 2023 –  
RMS MF 2018 w/ 12/20 & RMS LB 2018 w/ 12/20



# Radon Data Reporting App FAQs

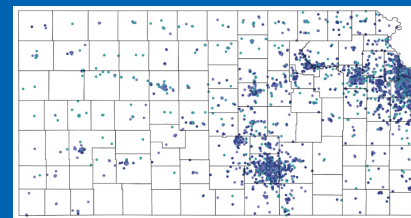


Figure 1: Geographic distribution of radon tests taken in Kansas in 2020

We know there have been some questions regarding the new radon data reporting app and wanted to take an opportunity to address some that we hear most often.

1. Where can I find the data app?

a. While it is an app, it is only accessible via the web and is not the kind of app that is downloaded from the apple or google play stores. You can find it here: <https://keap.kdhe.ks.gov/Radon/SignIn.aspx>

2. What is my user name?

a. User names are assigned as new techs become certified the typical format is:

i. For Radon Tech: Firstname.Lastname

ii. For Radon Admin: FirstnameLastname

iii. For Lab Tech: Firstname.Lastname

b. You will need to select the "Forgot Password" link on the sign in page if it is your first time signing in. You will receive a temporary password to log in and can then log in. You should change your pw to something personal at that time.

3. What do non-detect or detect mean when entering radon value?

a. Some radon testing devices, such as charcoal test kits, have a lower limit of detection (they cannot accurately measure radon below a certain value). When these results are reported, they will be reported as less than the minimum detectable value, such as  $<0.5$  pCi/L. When the result is reported like this, it is considered a non-detect. You would check the box for non-detect and then list the value given without the carrot (in this case 0.5 pCi/L). Continuous radon monitors (CRM's) are typically able to detect radon down to the tenths of a picocurie and will not have a lower limit of detection for reporting purposes. If you are using exclusively CRM's, it is unlikely you will ever have a measurement that is a non-detect.

4. How do I know I have submitted correctly?

a. Once your record(s) have a green check mark next to them, you would tick the selection box next to the record(s) and then click the "Submit Selected Records" button at the bottom of the holding table. The record(s) should disappear from the holding table and will now appear in your "Submitted Records" tab.

5. What to do when my data report is causing an error and only gives three attempts to submit the record before it is locked?

a. Once a record is locked, KDHE admin will be able to see it and can manually submit these records for you after checking with you about the data. We use an API to verify addresses and it can sometimes be slow to update when properties change use or for new construction. If you know the address is correct but it is still giving you an error, lock the record and contact KDHE to get it submitted.

Scan here to re-watch the data submission video instructions



# QAP (Quality Assurance Plan) Reminders for Submittals of Radon Applications

KDHE has adopted new standards as of October 27th, 2023. As such, see below for common issues we have noticed that hold up the application approval process because components of the QAP are missing or incorrect.

- The QAP **MUST** include reference to the new standards:
  - Measurement:
    - ANSI/AARST MAH 2019 – Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes
    - ANSI/AARST MAMF 2017 with 1/21 Revisions – Protocol for Conducting Measurement of Radon and Radon Decay Products in Multi-Family Buildings
    - ANSI/AARST MALB 2014 with 1/21 Revisions – Protocol for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings
  - Mitigation:
    - ANSI/AARST SGM-SF 2017 with 12/20 Revisions – Soil Gas Mitigation Standards for Existing Homes
    - ANSI/AARST RMS-MF 2018 with 12/20 Addenda – Radon Mitigation Standards for Multi-Family Buildings
    - ANSI/AARST RMS LB 2018 with 12/20 Revisions – Radon Mitigation Standards for Schools and Large Buildings
- The QAP **MUST** reference the use of the new measurement data submission system for quarterly report out:
  - <https://keap.kdhe.ks.gov/Radon/RadonDefault.aspx>
- The list of techs performing the work **MUST** be updated to reflect the current employment status of the techs including the adding or removal of them from the QAP.
- Any changes to the QAP **MUST** have the date changed to when the revisions were made and re-submitted to KDHE.
- Please remember that you **MUST** submit current calibration reports for all non-passive devices.
- Please **DO NOT** sign the “No changes to QAP” form as all QAPs submitted after October 27th, 2023 **MUST** reference the new standards and data submission system. Therefore, we **MUST** be sent a new copy of the QAP when applying for certification as the previously mentioned form is void until the next time you plan on renewing.

We have additional resources on our website that can assist in the creation and maintenance of a QAP as well as more information about the standards and data submission system. The information can be accessed with these links: <https://www.kdhe.ks.gov/1075/Quality-Assurance-Plans>, [Radon Standards & Protocols | KDHE, KS](#), and [Data Submission | KDHE, KS](#).

If you have any questions, please contact KDHE at 785-296-1560 or our radon hotline email at [kdhe.radon@ks.gov](mailto:kdhe.radon@ks.gov). Thanks so much for your cooperation and for helping us expedite the approval process.

# Multifamily and Large Building Radon Measurement and Mitigation Requirements in Kansas

The United States currently has two broad federal policies in place that impact radon measurement and mitigation activities in Kansas. The US Housing and Urban Development (USHUD) and the Federal Housing Finance Agency both have radon measurement and mitigation requirements for multifamily properties being sold and in most cases refinanced under either USHUD Federal Housing Authority (FHA) or Fannie Mae/Freddie Mac insured mortgages.

Under the currently adopted MAP 2020 environmental review guidance by USHUD, any multifamily property being purchased with or refinanced by a FHA-insured mortgage, radon measurement testing as compliant with the ANSI/AARST MAMF 2017 with 1/21 revisions standard SHALL be conducted. This policy is in current compliance with Kansas radon regulations, which by regulatory adoption require following the ANSI/AARST MAMF 2017 with 1/21 revisions for any multifamily radon testing conducted in the state since October 1, 2023.

The updated radon policies issued by the FHFA to Fannie Mae/Freddie Mac regarding their insured multifamily mortgages REQUIRES that state statutes and adopted regulations be followed. In Kansas, these requirements include 1) the use of Kansas credentialed radon measurement and mitigation professionals for any radon work and 2) the following of Kansas-adopted standards of practice for radon in multifamily buildings. Kansas has adopted both the ANSI/AARST MAMF 2017 with 1/21 revisions for radon measurement and the ANSI/AARST RMS-MF 2018 with 12/20 revisions for radon mitigation. These standards adoptions were effective October 1, 2023.

What are the practical implications of both 1) the above policy changes and 2) the adoption of the multifamily standards for radon professionals in Kansas? In terms of multifamily radon measurement work by Kansas credentialed measurement professionals, it is the expectation that you will conduct 100% ground contact unit radon testing plus 10% of units on each additional floor plus appropriate QA/QC in all buildings associated with any project subject to either the USHUD FHA or FHFA policies. In terms of multifamily mitigation efforts under these policies, Kansas credentialed mitigation professionals are expected to follow the adopted mitigation standard requirements in any multifamily project.

The Kansas Radon Program (KRP) is ready and willing to assist Kansas credentialed professionals meet these obligations. K-State personnel are available at 785.532.6026 to answer questions related to properly implementing measurement and mitigation projects in multifamily properties. The Radiation Control Program is ready and willing to assist Kansas credentialed radon professionals if and when they receive resistance by lenders or environmental review firms in relation to Kansas adopted standards of practice. The Radiation Control Section can be reached at 785.296.1560.

Visit <https://kansasradonprogram.org/> and <https://www.kdhe.ks.gov/1061/Kansas-Radon> for additional information.

# Upcoming Courses

## KSU Radon Training

### Fall/Winter 2024 Course Schedule

Register Early! - Courses may be cancelled without sufficient registration numbers

**Sept  
15**

Cont. Ed. Before  
IEA Radon & VI Symposium  
**Orlando, FL**

**Sept  
25-27**

**CANCELLED**  
Colorado Springs,  
**CO**

**Sept  
25-27**

Cont. Ed. for  
Radon Contractors  
**Denver, CO**

**Oct  
1**

ANSI/AARST  
Standards Overviews  
**Webinar**

**Oct  
10-11**

Optimal Mitigation &  
Advanced Diagnostics  
**New Brunswick, NJ**

**Oct  
28-29**

Meas

**Manhattan, KS  
(simulcast)**

**Nov  
5**

Multi-Family &  
Large Buildings Mit  
**Webinar**

**Nov  
12**

Multi-Family &  
Large Buildings Meas  
**Webinar**

**Dec  
4-6**

Mit

**Manhattan, KS  
(simulcast)**

For more information  
and registration,  
please visit:  
[radoncourses.com](http://radoncourses.com)







On November 20, 2023, Governor Laura Kelly declared January 2024 Kansas Radon Action Month (KRAM). Pictured above: Alexis Crawford, KDHE, Health Physicist Lead; Jason Meinholdt, KDHE, Radiation Control Program Director; Regina Cortez, KDHE, Licensing and Registration Officer; Crystal Lytle, Fantech, Systemair; Governor Laura Kelly; Mark Ungerer, KDHE, Health Physicist Supervisor; Haley Hart, KDHE, Health Physicist; Alexandra Bahadori, KSU, Radon Chamber Manager; Brian Hanson, KSU, Director Radon Programs.

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 promotes 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 each year. KRP personnel are available to schedule public education programs (webinar options available) on request throughout winter. 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](http://www.kansasradonprogram.org) or call (800) 693-5343.