



# Consumer Grade Radon Devices Where We Currently Stand

Joshua Kerber | Research Scientist

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PROTECTING, MAINTAINING AND IMPROVING THE HEALTH OF ALL MINNESOTANS

# Purpose of the Session

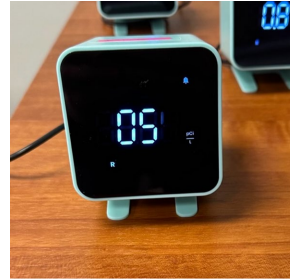
- Gain a consensus for next steps from CRCPD
  - What, if anything, should we do?
- Gather info to create a call to action
- Professional discussion with follow-up if additional details needed
- Some data gathered through [Menti.com](https://www.menti.com)

- EcoQube
- EcoBlu
- RadonEye
- Lüft
- View Radon
- Wave Radon
- Corentium Home
- Safety Siren
- Costs vary
- Usually \$100-\$300
- Varying levels of sensitivity, precision, memory

# What do these devices look like?



EcoQube



EcoBlu



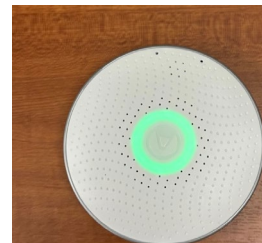
RadonEye



Lüft



View Radon



Wave Radon



Corentium Home

- Public is using them to make mitigation decisions
- At least 24 devices are currently available on the internet
  - Many have become available in the last few years
  - Two have been recalled by Health Canada

- No current oversight of the manufacture, sale, or use of these devices in the US
- No current minimum standards or performance qualifiers in relation to accuracy, recalibration, or expiration
- Kansas State University published a paper

- CARST has a list of 7 devices that passed their performance test and 2 devices they do not recommend.
- EPA recommends the use of ANSI/AARST standards.
- No current standard or approval mechanism for this category of devices.

- No State or Tribal guidance
- Found at mitigation inspections
- Sold by some mitigation companies
- Grant funded loaner programs are active
- Most govt agencies do not recommend them



- ANSI/AARST requires the use of approved devices for determining if radon mitigation is necessary
- Increased marketing for use by professionals for mitigation diagnostics, active notification monitors, and post-mitigation OM&M services

- No tracking of how many of these devices are being sold or used.
- How much testing is being replaced?
- Is this replacing testing with approved devices?

# Some Appealing Features for the Public

- Reuseable
- Some can monitor year-round
- May provide better evidence of mitigation system effectiveness
- Bundled with multi-sensor consumer devices
  - Other IAQ issues

# Open Panel Discussion – Different Approaches and Perspectives

- Alex Bahadori, KSU
- Johna Boulafentis, Nez Perce Tribe
- Pam Warkentin, CARST/C-NRPP
- Chad Robinson, Building Performance
- Others?