



## Radon Q&A

During the webinar, the following question was asked in the Q&A section. Please email [info@radiationsafety.ca](mailto:info@radiationsafety.ca) if you wish to discuss this further or any have any other follow up question arising from the presentation.

**Q:** Is the track counting process for an alpha track detector done manually or automatically? It seems like it would be pretty easy to automate it.

**A:** Track counting can be performed manually but is more often performed using semi or fully automatic imaging systems. For the depicted alpha track in the presentation, the track counting is completely automated.

**Q:** Building codes or municipalities in general do not specifically require a radon sample for every new home/building or before a home/building sale. How could we make this a mandatory test?

**A:** Building codes and home sales are regulated provincially or territorially. There is a National Building Code in Canada, but it has to be adopted by a province or territory to become law. Bylaws are regulated by your municipality. In order to bring about mandatory radon testing for either new builds or sales, concerned people need to speak with their municipal, provincial, or territorial representatives to request they enact it into law.

**Q:** Are the new smart detectors like Wave by Airthings good?

**A:** Many of the consumer grade radon detector available on the market are very good but, as always, it is important to do some research into the product being purchased. One major concern with consumer-grade detector products is a lack of a process for calibration. The C-NRPP has conducted consumer grade instrument testing, including the Wave Plus, see <https://iopscience.iop.org/article/10.1088/1361-6498/ab96d6>. They also maintain a list of radon measurement devices for professionals: <https://c-nrpp.ca/approved-radon-measurement-devices/>.