

Hidden Danger in Older Homes:

RADON GAS RISKS & SOLUTIONS

1 What is Radon Gas?



A naturally occurring **radioactive gas**



Invisible & odorless, **seeps into homes through cracks and gaps**



Higher risk in older homes **due to foundation vulnerabilities**

2 Why Are Older Homes More Vulnerable?



Cracked foundations

over time, concrete develops gaps



Unsealed basements & crawl spaces

allow radon infiltration



Outdated building practices

no modern radon-resistant measures



Well water contamination

groundwater wells can introduce radon

Southern Canada is a radon hot spot!

3 Health Risks: Why Radon is Dangerous



2nd leading cause of lung cancer in Canada (after smoking)



Long-term exposure damages lung tissue



Even small cracks can lead to dangerous levels over time

Regular radon testing is essential!



4 How to Test for Radon in Older Homes



DIY Radon Test Kits

affordable & accessible



Professional Testing

more accurate results



Health Canada Safety Limit:

200 Bq/m³



Test every few years

to ensure safety

5 Radon Mitigation: Protecting Your Home

Seal foundation cracks

to prevent radon entry



Improve ventilation

in basements & crawl spaces



Install radon mitigation systems

like sub-slab depressurization



Professional services provide lasting protection

6 Take Action: Contact Groundworks



Older homes are at risk – don't wait!



Get a free inspection & mitigation estimate



Trust experts for long-term radon safety

Resources

1. www.safeair.ca/blog/how-to-address-high-radon-levels-in-older-homes

2. <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/radiation/radon-your-home-health-canada-2009.html>