



Radiation Safety  
Institute of Canada  
Institut de radioprotection du Canada

# Radon in Canada: Understanding Regulation and Building Codes

**Guest: Pam Warkentin**, Executive Director of the Canadian Association of Radon Scientists and Technologists (CARST) and the Canadian–National Radon Proficiency Program (C-NRPP)

November 13, 2025



Good Science in Plain Language®





Radiation Safety  
Institute of Canada  
Institut de radioprotection du Canada

# Land Acknowledgement





# Webinar Functionality

## Audio and video

- During the presentation, from the presenters only
- Captions: More>Language and speech>Turn on live captions

## Use the Chat feature to talk to discuss with everyone

## Use Q&A feature to ask questions for Q&A portion

## Posted on webinar page

- Video, answers to questions, copy of the slides

## Follow up email will be sent

- Topics covered, time of attendance



Introduction

CARST/C-NRPP

Radon

Regulation

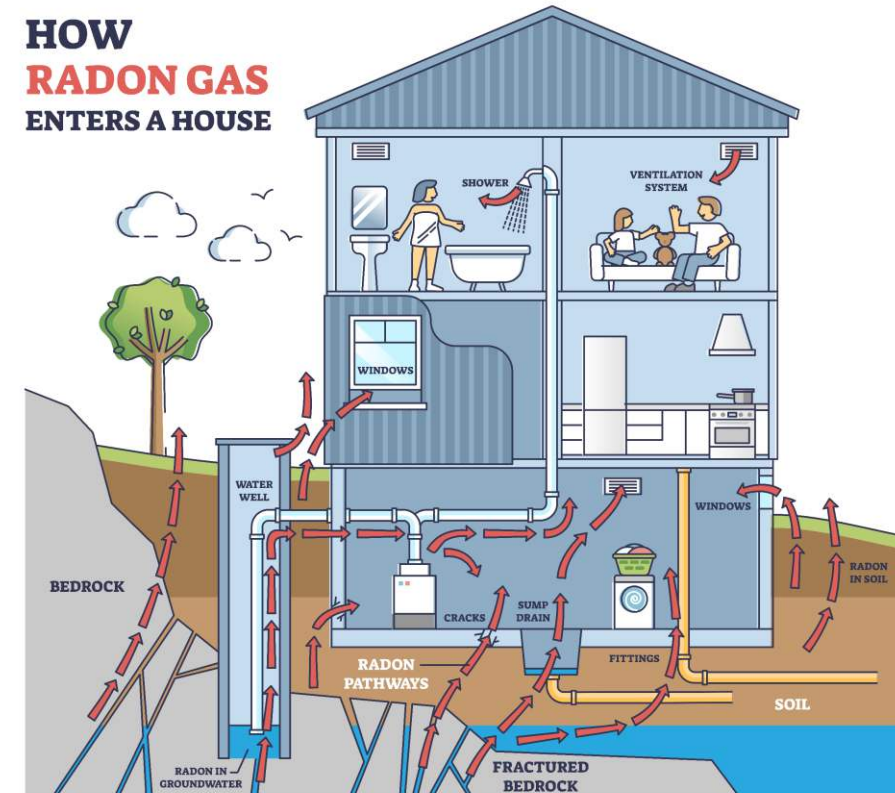
Building Codes

Q&A

Movement break

- Charlmane Wong
- Ji Hong Tai Chi & Qi Gong Richmond Hill

## In This Session

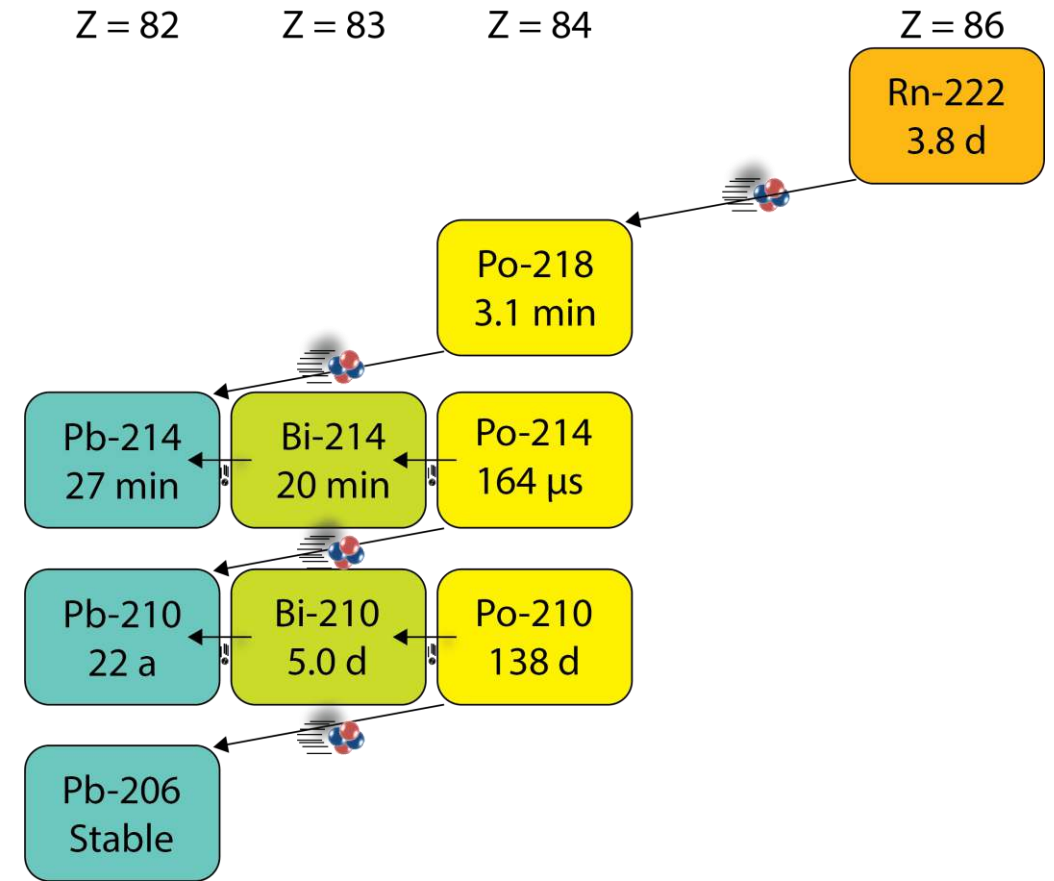






- Naturally-occurring radioactive gas
- Decay product in uranium-238 series that emits carcinogenic alpha particles
- Uranium is common on Earth
- Decays into radioactive progeny that also emit alpha
- 2<sup>nd</sup> leading cause of lung cancer
- Primary cause of lung cancer in non-smokers

## Radon





Corie lives in Winnipeg. Never smoked. Tested her home and found over 400 Bq/m<sup>3</sup> of radon.

She was diagnosed with lung cancer. It was caught early, she had some other tests done which coincidentally showed lesions on her lungs.





## RADON FACTS:

- The only way to know radon levels is to test the radon level in an occupied home.
- Testing the soil does not provide accurate prediction of indoor radon levels.
- A homeowner is responsible to test their home (post-occupancy) after they have moved in.



## RADON FACTS:

- Radon testing is not included in the building code, because it needs to be done post-occupancy and the building code only covers pre-occupancy.
- Each home needs to be tested. Radon levels cannot be predicted based on a neighbour's radon levels.
- Radon test should be done using a long-term radon test (91 days or longer, 3 months).
- Radon test should be conducted in the living space of the house, in an area which is the lowest lived-in level, occupied 4 hours a day or more, during the heating season.





**Radiation Safety  
Institute of Canada**  
Institut de radioprotection du Canada



The Canadian Association of Radon Scientists and Technologists (CARST) is a national association funded by memberships to reduce radon risk in Canada.



The Canadian National Radon Proficiency Program (C-NRPP) is a subsidiary of CARST funded by certification fees and by a grant through Health Canada to establish guidelines, training and resources for the provision of radon services by professionals.



Take Action on Radon is a national initiative, funded through a grant by Health Canada, to bring together radon stakeholders and raise awareness on radon across Canada.



# Canadian - National RADON Proficiency Program

- **C-NRPP Measurement Certification** – 16hrs course work (available in French and English; online)
- **C-NRPP Mitigation Certification** – 24hrs course work, plus full hands-on mitigation install; (available in French and English; online and in-person); measurement is a pre-requisite
- **C-NRPP CRNCH** (Controlling Radon in New Canadian Home) course for New Construction – 4-6hrs course work; (available in French and English; online and in-person)
- **Real Estate Certificate Course** – 2 1-hr sessions



[Home](#)[Homeowners ▾](#)[Professionals ▾](#)[Trainers](#)

# Consumer-Grade Electronic Radon Monitors

Over the past few years, electronic radon monitors have become increasingly available and popular with consumers. In order to provide Canadian consumers with an unbiased performance-based comparison of these monitors, the Canadian National Radon Proficiency Program (C-NRPP) regularly conducts a series of performance

	Make/Model	Manufacturers stated Accuracy	Frequency of Reading	Digital Display or cell-phone app	Battery or Plug-in	Approved Find details here.
	Airthings Corentium Home	±10% (after 7 days at 200 Bq/m3), ±5% after 2 months of monitoring	12 hours 24 hours 7 days (first reading will take 24 hrs)	Short-term and long-term average shown on monitor display.	Battery	APPROVED 
	Airthings View	After 30 days at 200 Bq/m3, ±10% on the 7 day average and +/- 5% on the 2 month average	Hourly	Short-term average shown on monitor display; long-term average shown on app.	Battery or plug in (USB-C)	APPROVED 
	Aranet RN+	±8% Accuracy of 24 h, 7 d, 30 d averages	Can be adjusted to show 10 min, 24h, 7 d or 30d	Display on device shows either short-term or long-term level depending on setting. Long-term shown on app.	Battery	APPROVED 
	Ecosense EcoQube	±10% at 370 Bq/m³ after 10 hours of measurement	Takes measurements every 10 minutes; displays an hourly rolling average	Hourly levels are displayed on LED; short-term and long-term averages, and hourly data points on the mobile app.	Plug in	APPROVED 
	Ecosense RadonEye	±10% at 370 Bq/m³ after 10 hours of measurement	Takes measurements every 10 minutes; displays an hourly rolling average	Hourly levels are shown on the OLED display; short-term and long-term averages are available in the mobile app	Plug in	APPROVED 
	SunRadon Luft	±10% (after 7 days at 200 Bq/m3)	Hourly, (Initial reading takes 90 mins)	Long-term and short-term averages shown on the app. Color coded indication of levels on monitor display.	Plug in	APPROVED 





























o leave them in place for at

ick here.

d a list of online retailers

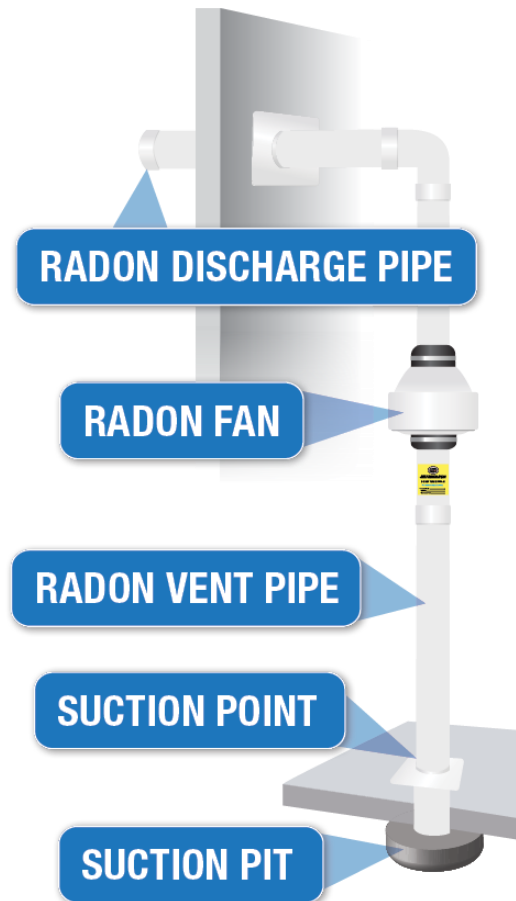
ethod of averaging the data;

t approved by C-NRPP for use

	Manufacturer / Brand	Model / Link to Health Canada recall (when applicable)	NOT APPROVED
	Air Steward	Recalled by Health Canada	
	Booru	RN-80	
	Boyd Graham	Radon Detector - Recalled by Health Canada	
	CRADTEC	PRM-03H	
	CRADTEC	PRM-03H	
	Funny Kitchen	HRDM-02 - Recalled by Health Canada	
	HAKINAWU	Smart Radon Gas Detector	
	Henshen	Home Radon Detector Recalled by Health Canada	
	INQIRD	Home Radon Meter - Recalled by Health Canada	
	INQIRD	INQIRD - Recalled by Health Canada	
	LifeData	INQIRD - Recalled by Health Canada	
	LifeData	LCARM001 - Recalled by Health Canada	
	Radon Guard	Recalled by Health Canada	
	Spotlight	Radon Detector - Recalled by Health Canada	

edit

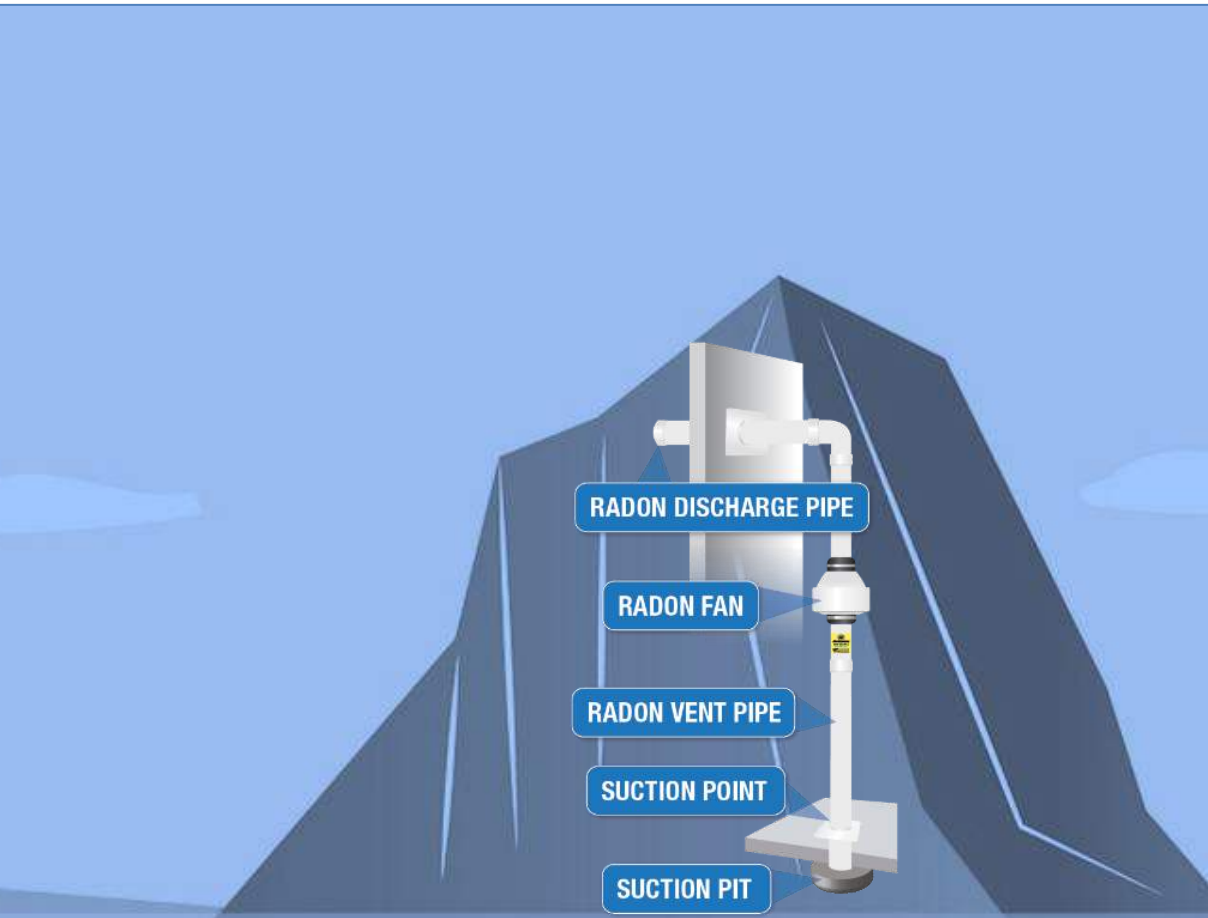




- Health Canada recommends reducing radon levels to as low as possible.
- The most common (& effective) radon mitigation system is a sub-slab depressurization system.
- Sub-slab depressurization systems reduce radon levels by an average of over 90%
- Average cost of \$ 3,000
- Generally installed in one day
- C-NRPP Radon Mitigation Professionals







# **Radon Mitigation Systems:**

## **Understand what goes into the install**

Find Information on Certification:

<https://c-nrpp.ca/how-to-become-certified/>

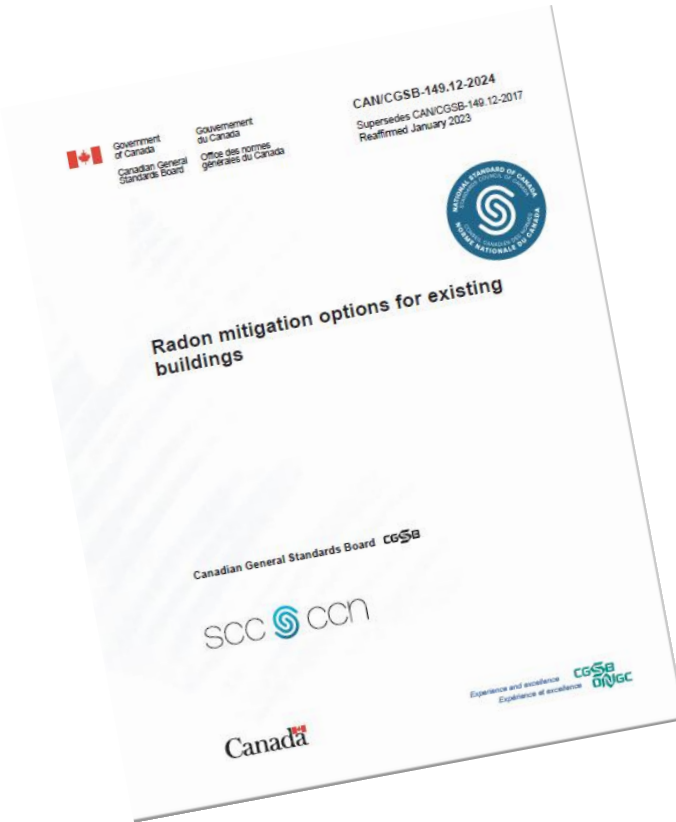
**CGSB Standard for Existing Residential Construction  
– 149.12.2025**



## **Canadian General Standards Board – Radon Mitigation options for EXISTING HOMES**

**(CGSB 149.12)**

- includes existing buildings, not just low-rise residential buildings
- Includes information for both:
  - Active soil depressurization – the preferred method for reducing radon levels in existing buildings.
  - Ventilation – an alternative method for reducing radon levels that may be more feasible when active soil depressurization is not possible for a particular building.
- **Note: Sealing of potential entry points is considered a prerequisite for both of the above methods.**
- A more comprehensive step-by-step description of fan-sizing and system design has been included; sections have been rearranged; definitions updated.





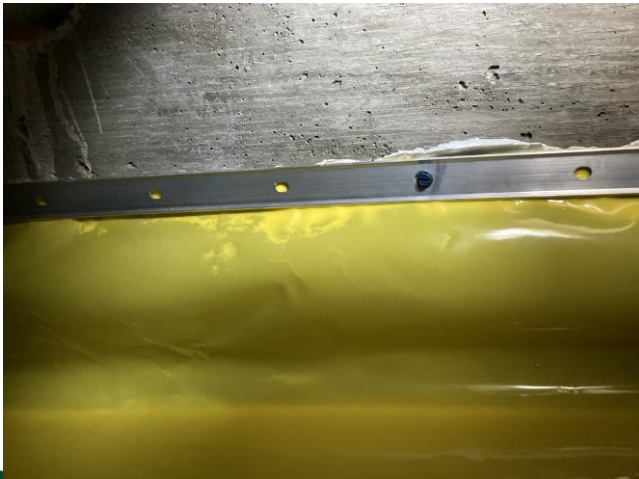
# Radon Mitigation Systems:

## Understand what goes into an effective system



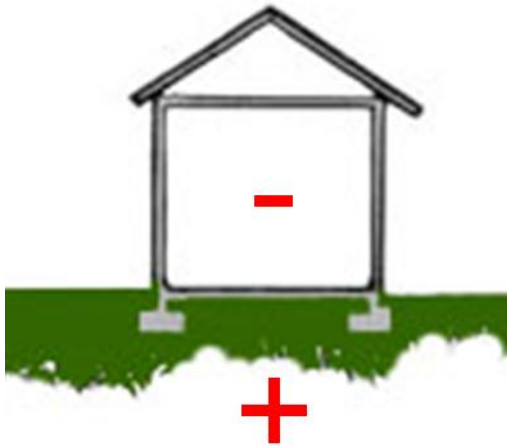
### PREPARING THE SLAB:

- pressure measurements to ensure well sealed foundation
- proper sealing to seal the foundation (especially the floor to wall joint)
- assess barriers impeding airflow and underslab 'communication'





# IT'S ABOUT BEING ABLE TO EASILY TURN A NEGATIVE TO A POSITIVE



Positive pressure under the  
slab demonstrated with a  
smoke pencil



Negative pressure under  
the slab.





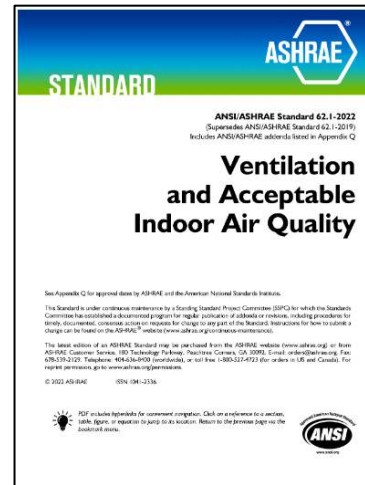
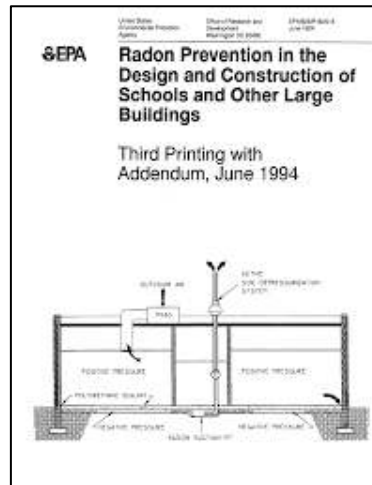
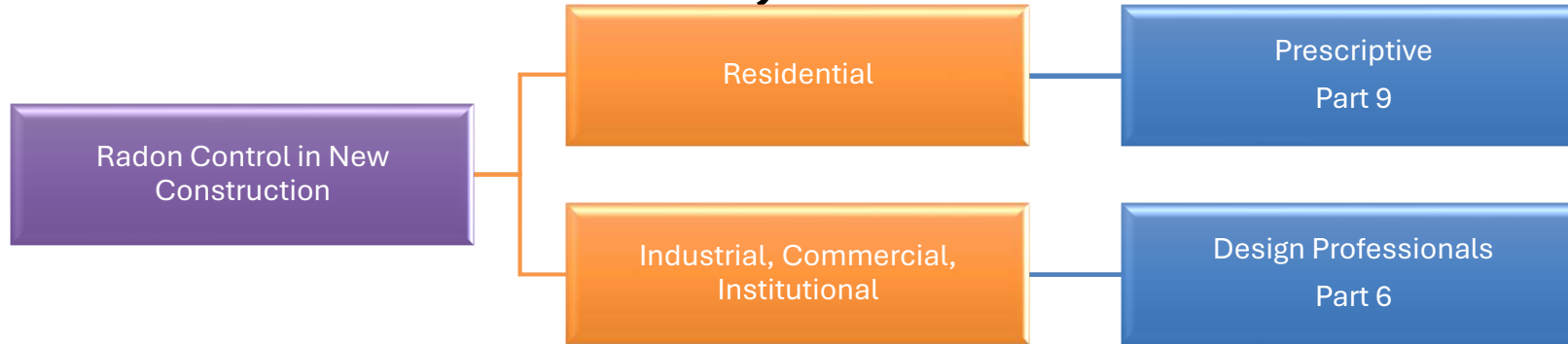
## IT'S NOT JUST ABOUT GEOGRAPHY!

- Source Strength
- Construction Methods
- Construction Materials
- Construction Quality
- Basement Depth
- HVAC
- Heat Recovery Ventilators
- Heating Methods
- Occupant Activity
- Wind Forces
- Renovations





# BUILDING TYPES, CODE & DESIGN REFERENCES



6.2.1.1 Good Engineering Practice

EPA 625/R-92/016, "Radon Prevention in the Design and Construction of Schools and Other Large Buildings"

6.3.1.1. Required Ventilation

ANSI/ASHRAE 62.1, "Ventilation for Acceptable Indoor Air Quality,"



## ONTARIO ONLY

### **3.1.1.5. Radon**

- (1) In addition to all other requirements, a *building* in the following designated areas shall be designed and constructed so that the annual average concentration of radon 222 does not exceed 200 Bq/m<sup>3</sup> of air and the annual average concentration of the short lived daughters of radon 222 does not exceed 0.02 working levels inside the *building*:
- (a) the City of Elliot Lake in the Territorial District of Algoma,
  - (b) the Township of Faraday in the County of Hastings, and
  - (c) the geographic Township of Hyman in the Territorial District of Sudbury.



### 6.2.1.1. Good Engineering Practice (See Note A-6.2.1.1)

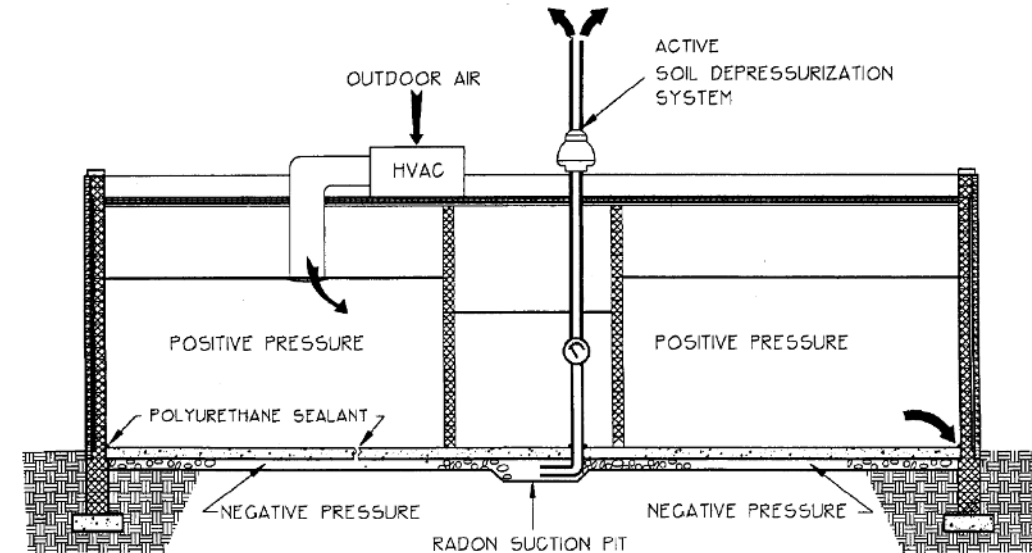
- 1) Heating, ventilation and air-conditioning systems, including mechanical refrigeration equipment, shall be designed, constructed and installed in conformance with good engineering practice such as that described in, but not limited to,
- .... i) EPA 625/R-92/016, “Radon Prevention in the Design and Construction of Schools and Other Large Buildings,”...





## US EPA 625/R-92/016

- Discusses both ventilation control and active depressurization
- Covers all components of radon control system
  - Sealing, subsurface gas collection layer, suction pits, soil and membrane depressurizations, below grade wall coatings
  - **ASD discharge 7.6m (25ft) from intakes (excessive)**
- Foundation separations that prohibit depressurization
- Wall Types
  - Block vs concrete
- Covers HVAC controls
  - Building Pressurization
  - Dilution
- Operation and Maintenance
- Crawl spaces



- Published in 1994
- Still main code reference document
- More recent design guidelines available
  - Prove equivalent for compliance



# ASHRAE 62.1- ASD DISCHARGE

- ASHRAE 62.1 was not written with intent of addressing radon
- Radon falls under Class 4 Air:
  - *“Air with highly objectionable fumes or gases or with potentially dangerous particles, bioaerosols, or gases, at concentrations high enough to be considered as harmful.”*
    - *Canada  $\geq 200 \text{ Bq/m}^3$*
    - *United States  $\geq 148 \text{ Bq/m}^3$*
- **Discharge point of ASD:**
  - As per Table 5-1 Air Intake Minimum Separation Distance is 10m (30ft) which:
    - is excessive,
    - contradicts EPA 625/R-92/016 @ 7.6m (25 ft), and
    - contradicts Health Canada and CGSB @ 3m (10ft)
  - Calculations of ASHRAE 62.1 Normative Appendix B demonstrate 3m (10ft) clearance is acceptable
- CARST has received clarification on these items from ASHRAE



**ANSI/ASHRAE Standard 62.1-2022**  
(Supersedes ANSI/ASHRAE Standard 62.1-2019)  
Includes ANSI/ASHRAE addenda listed in Appendix Q

## Ventilation and Acceptable Indoor Air Quality

See Appendix Q for approval data by ASHRAE and the American National Standards Institute.

This Standard is under continuous maintenance by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the Standard. Instructions for how to submit a change can be found on the ASHRAE website ([www.ashrae.org/continuous-maintenance](http://www.ashrae.org/continuous-maintenance)).

The latest edition of an ASHRAE Standard may be purchased from the ASHRAE website ([www.ashrae.org](http://www.ashrae.org)) or from ASHRAE Customer Service, 180 Technology Parkway, Peachtree Corners, GA 30092, E-mail: [orders@ashrae.org](mailto:orders@ashrae.org), Fax: 678/539-2129, Telephone: 678/436-9100 (worldwide), or toll free: 1-800-527-4773 (for orders in US and Canada). For reprint permission, go to [www.ashrae.org/permissions](http://www.ashrae.org/permissions).

© 2022 ASHRAE

ISSN 1041-2336



PDF includes hyperlinks for convenient navigation. Click on a reference to a section, table, figure, or equation to jump to its location. Return to the previous page via the back arrow.





# Alberta Infrastructure Radon Mitigation Rough-in System

## Section Cover Page

2024-06-18

Section 31 21 13  
Radon Mitigation Rough-in System

Use this Section to specify a radon mitigation rough-in system, as listed below.

This Master Specification Section contains:

- .1 This Cover Page
- .2 Specification Section Text:

### 1. General

- 1.1 Intent
- 1.2 References
- 1.3 Definitions
- 1.4 Administration Requirements
- 1.5 Delivery, Handling and Storage
- 1.6 Environmental / Site Conditions
- 1.7 Warranty
- 1.8 Performance Requirements
- 1.9 Site Inspection Requirements

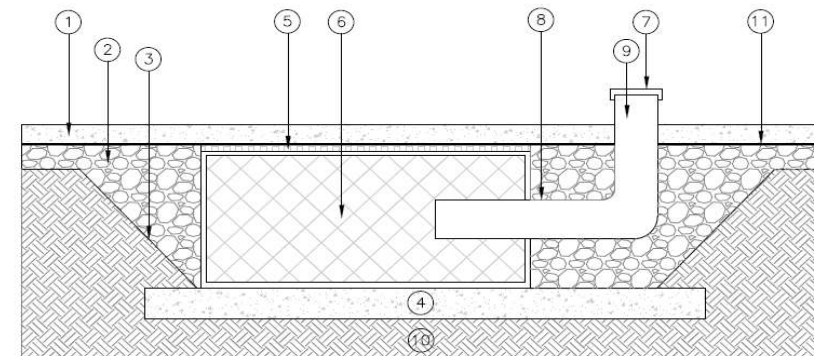
### 2. Products

- 2.1 Manufacturer
- 2.2 Geotextile Fabric
- 2.3 Gas Permeable Venting Layer
- 2.4 Membrane Barrier System
- 2.5 Suction Pit and Cage
- 2.6 Collection Pipe Extensions from the Suction Pit and Cage

### 3. Execution

- 3.1 Installation

TYPICAL RADON SUCTION PIT AND MEMBRANE ASSEMBLY DIAGRAMS



- |   |   |
|---|---|
| ① FOUNDATION SLAB   | ⑥ GALVANIZED METAL SUCTION PIT CAGE                           |
| ② RADON ROCK (MINIMUM 100 MM MEETING SIZE #5 SPECIFICATIONS AS PER ASTM C33/C33M) | ⑦ CAP   |
| ③ GEOTEXTILE UNDER RADON ROCK   | ⑧ SOLID PVC PIPE FROM SUCTION PIT CAGE ASSEMBLY TO RISER PIPE |
| ④ CONCRETE PAD UNDER SUCTION PIT ASSEMBLY   | ⑨ RISER PIPE (SEALED AND LABELED)                             |
| ⑤ GALVANIZED METAL DECKING WELDED TO TOP OF SUCTION PIT CAGE                      | ⑩ SUBSOIL   |
|   | ⑪ POLYOLEFIN BASED RESIN MEMBRANE                             |



## **NATIONAL BUILDING CODE**

**includes radon control measures:**

- Gravel under the slab
- Well-sealed liner
- Sealed sump pit
- Radon rough-in for future installation, Capped, sealed



## **BC Building code includes radon control measures:**

- Gravel under the slab
- Well-sealed liner
- Sealed sump pit
- EXTENDED Radon rough-in for future installation
- Extended to outside of the building envelope

**THIS DATA IS CURRENT TO  
NOVEMBER 2025.**

## **CGSB Standard**

### **Level 1**

- granular layer
- Poly liner
- rough-in for active soil depressurization;

### **Level 2**

- Level 1
- full passive vertical radon stack

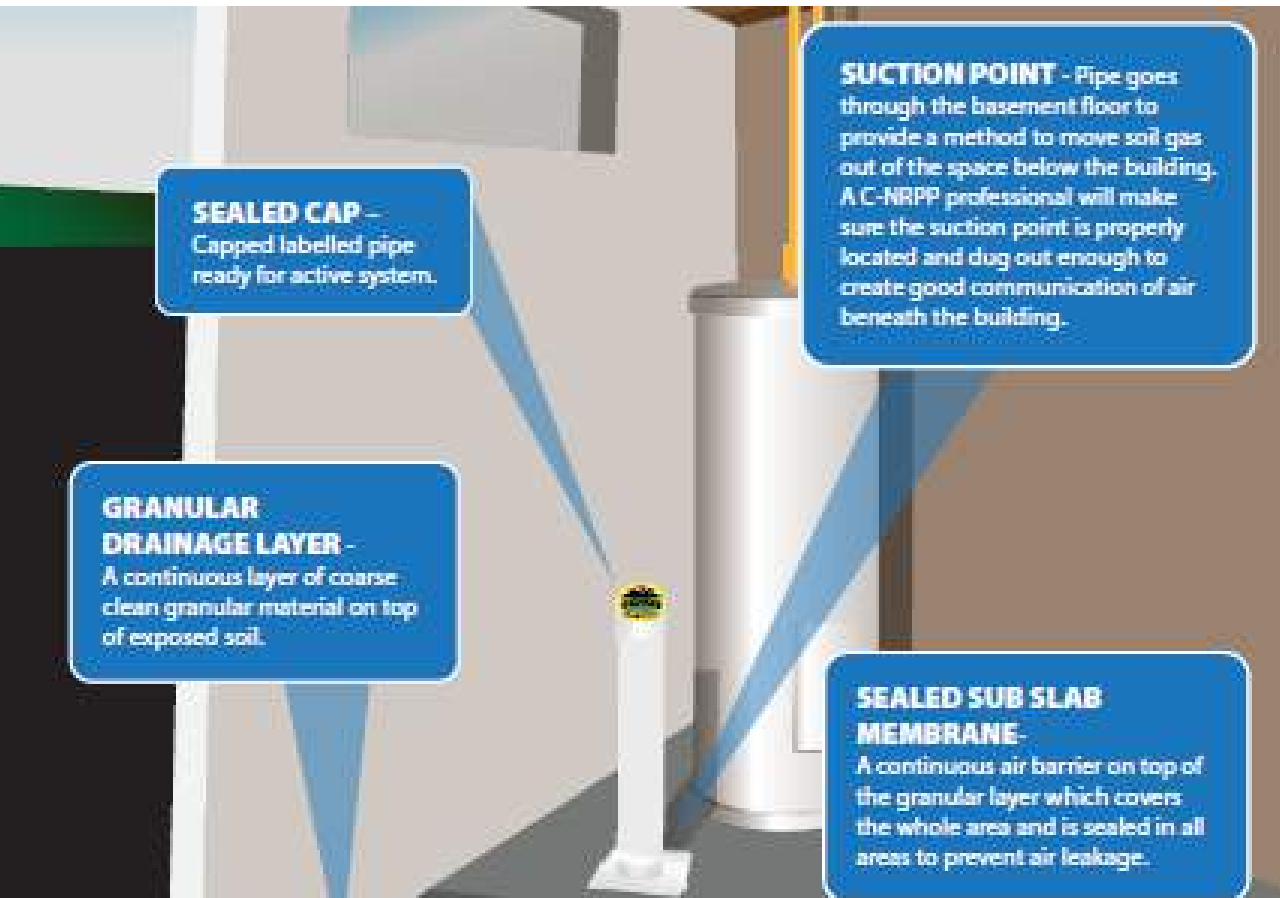
### **Level 3**

- Level 1
- Level 2
- full active soil depressurization system





## CURRENT NATIONAL BUILDING CODE



### Course clean granular material under the slab

- No less than 4" layer
- Less than 10% fines
- Void area content 35-40% (ASTM E1465)

### Well-sealed sub slab membrane

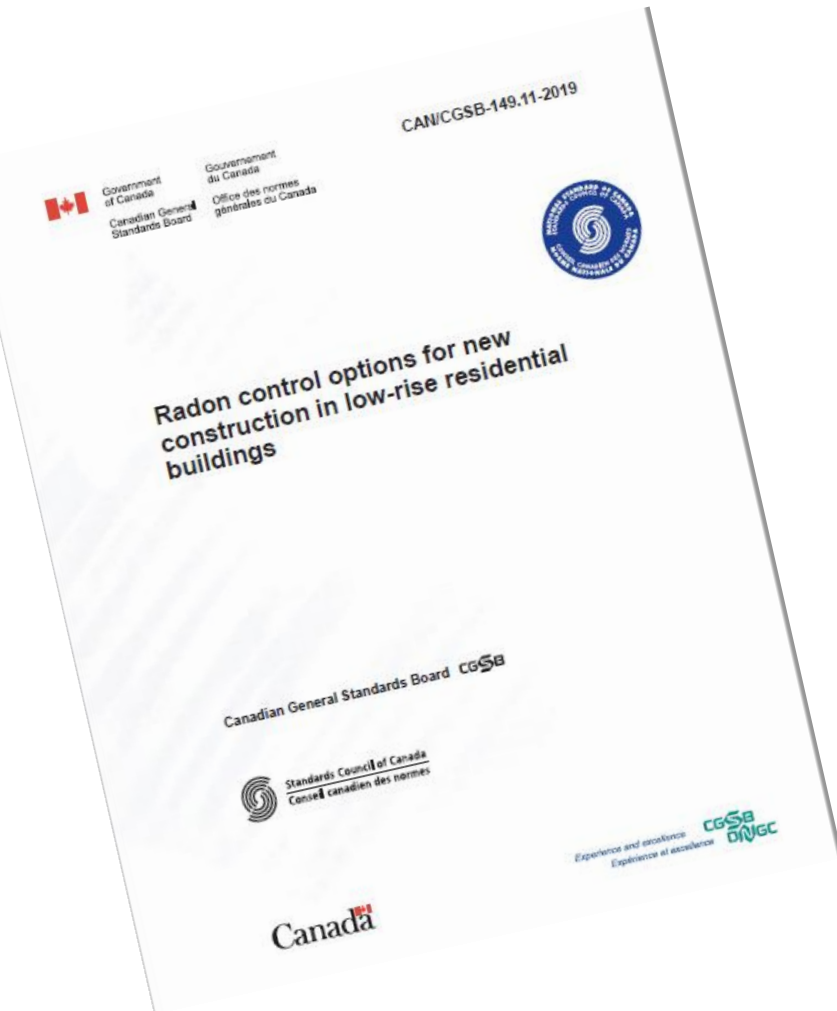
- Continuous barrier
- Sealed in all areas to prevent air leakage
- Including sealed floor to wall joint

### Sealed sump pit

- Sealed with an airtight lid

### Radon rough-in for future installation

- Ideally minimum 12" above the floor
- Sealed, capped and labeled in above floor section
- In a location for future installation of mitigation system



The three levels of protection from radon ingress are the following:

Level 1 = rough-in for active soil depressurization;

Level 2 = full passive vertical radon stack (level 1 plus a stack);

Level 3 = full active soil depressurization system (level 2 plus a fan).

Most provinces and territories already require protection from radon similar to level 1 in all new homes

- level 2 and level 3 requirements in this national standard are intended for higher risk areas.

In areas where significant proportions of homes are likely to test above the 200 Bq/m<sup>3</sup> Canadian radon guideline, authorities may find it prudent to adopt either a level 2 or level 3 protection requirement in new construction.



# CANADIAN GENERAL STANDARD BOARD

## CAN/CGSB-149.11-2024

RADON CONTROL OPTIONS FOR NEW BUILDINGS

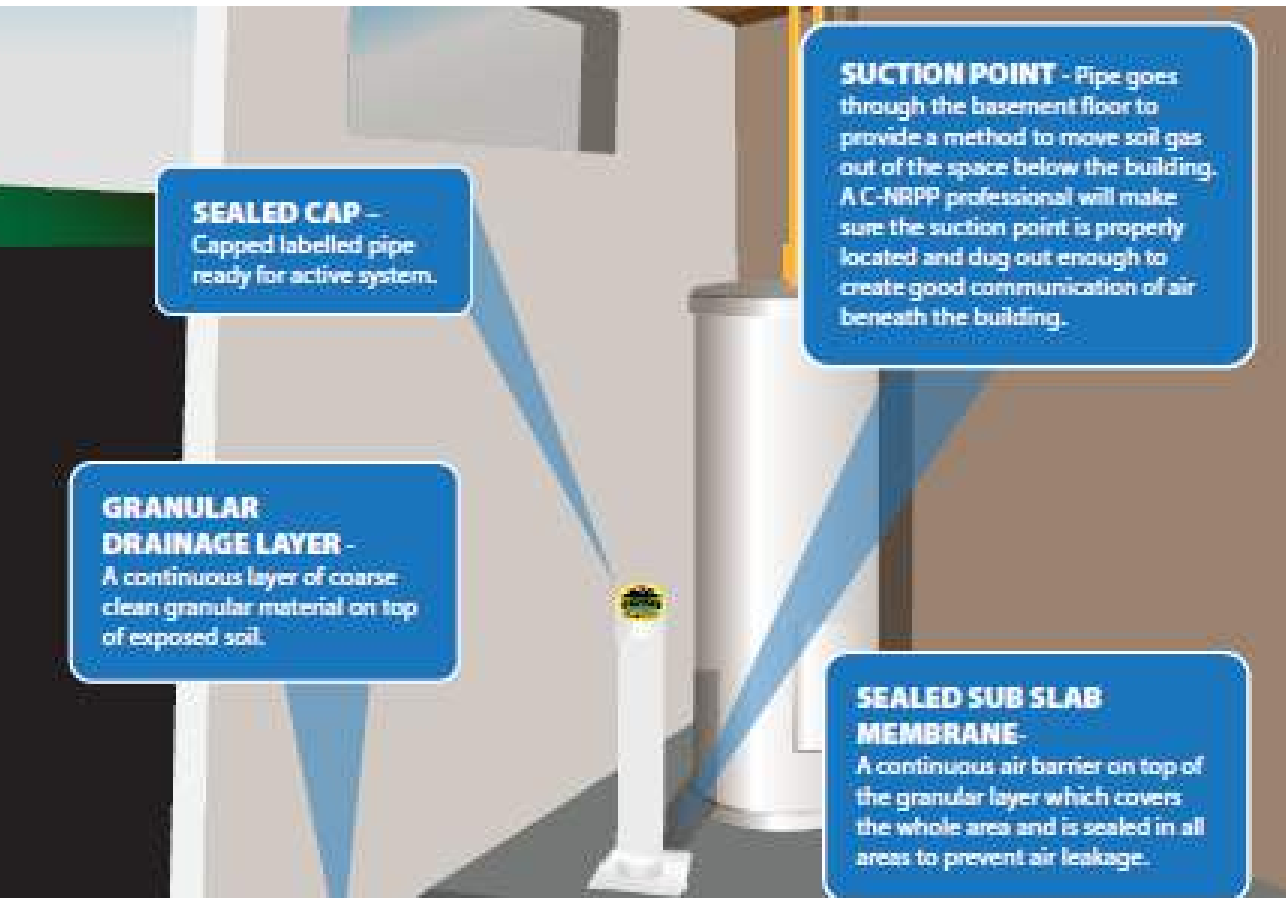
### CAN CGSB-149.11 Requirements

1. Gas permeable layer (clear stone, gas mat)
2. Soil gas barrier system (10mil)
3. Suction pit (pipe, cage, excavated pit)
4. Sealing entry points
5. Rough in / vent pipe (100mm dia)
6. Fan if home tests over





## CURRENT NATIONAL BUILDING CODE



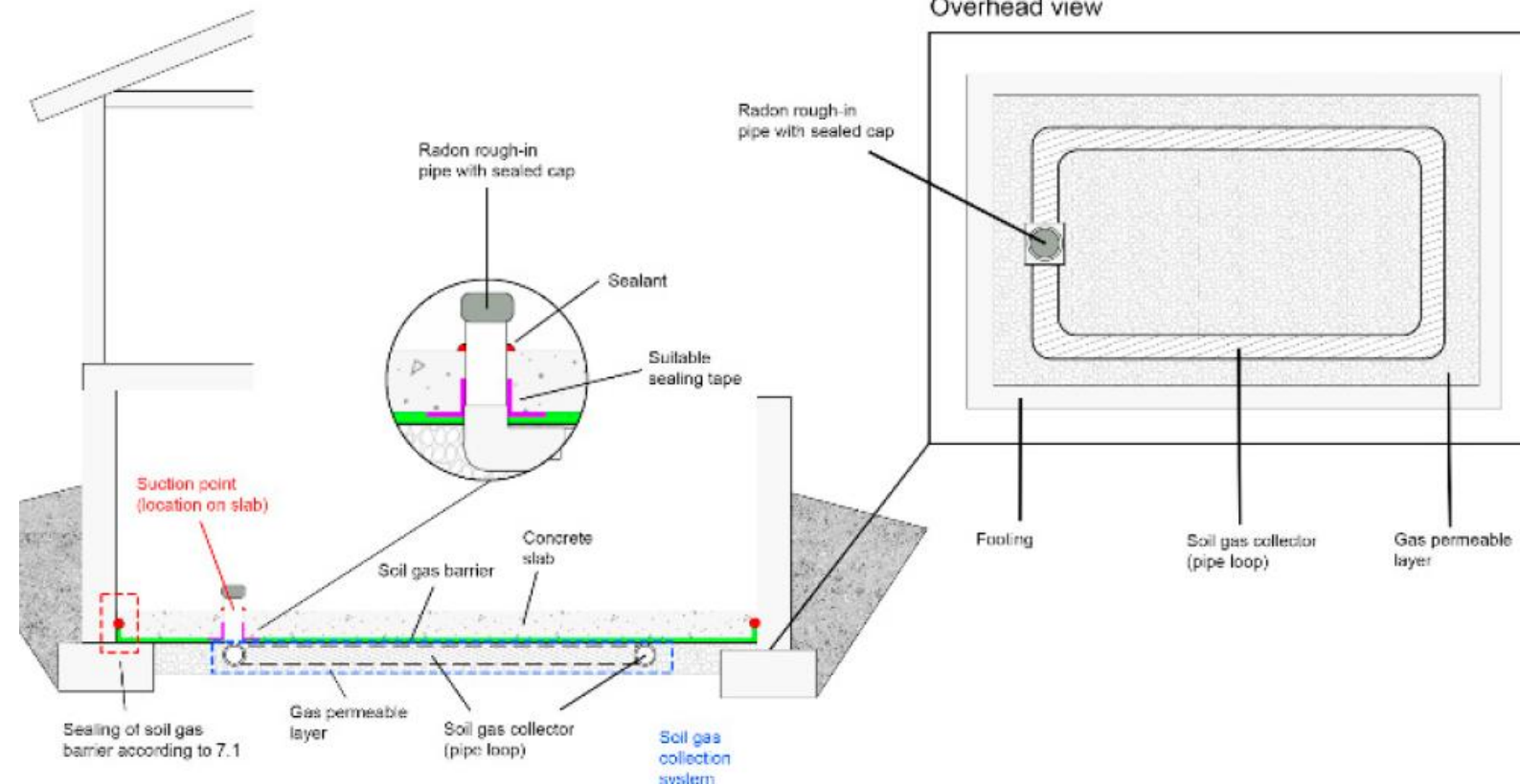
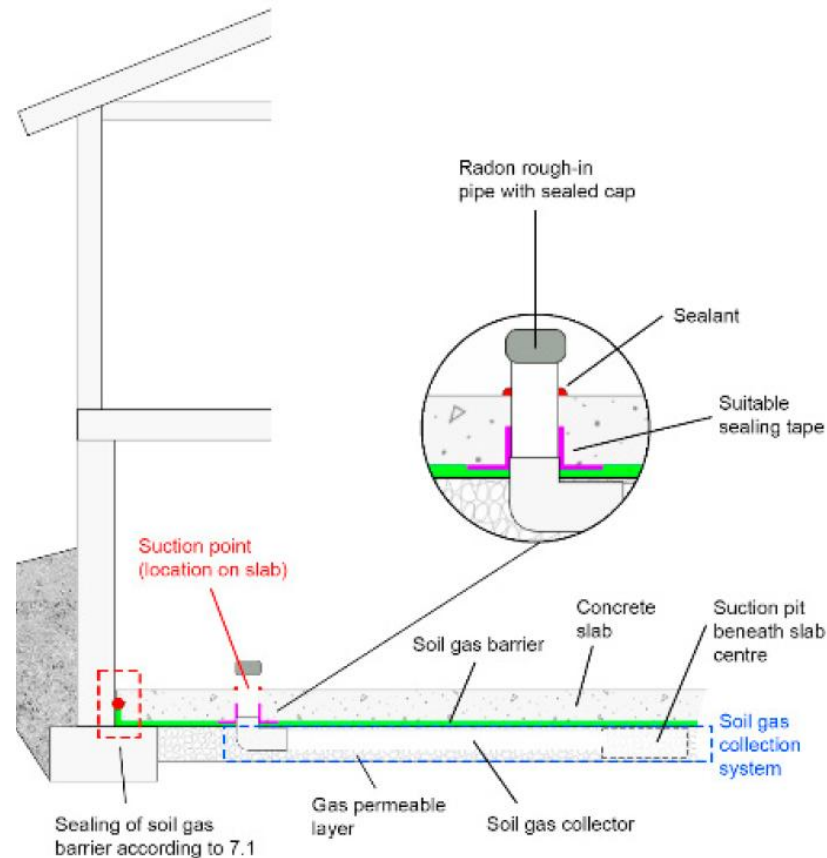
### Radon rough-in for future installation

- Ideally minimum 12” above the floor
- Sealed, capped and labeled in above floor section
- In a location for future installation of mitigation system



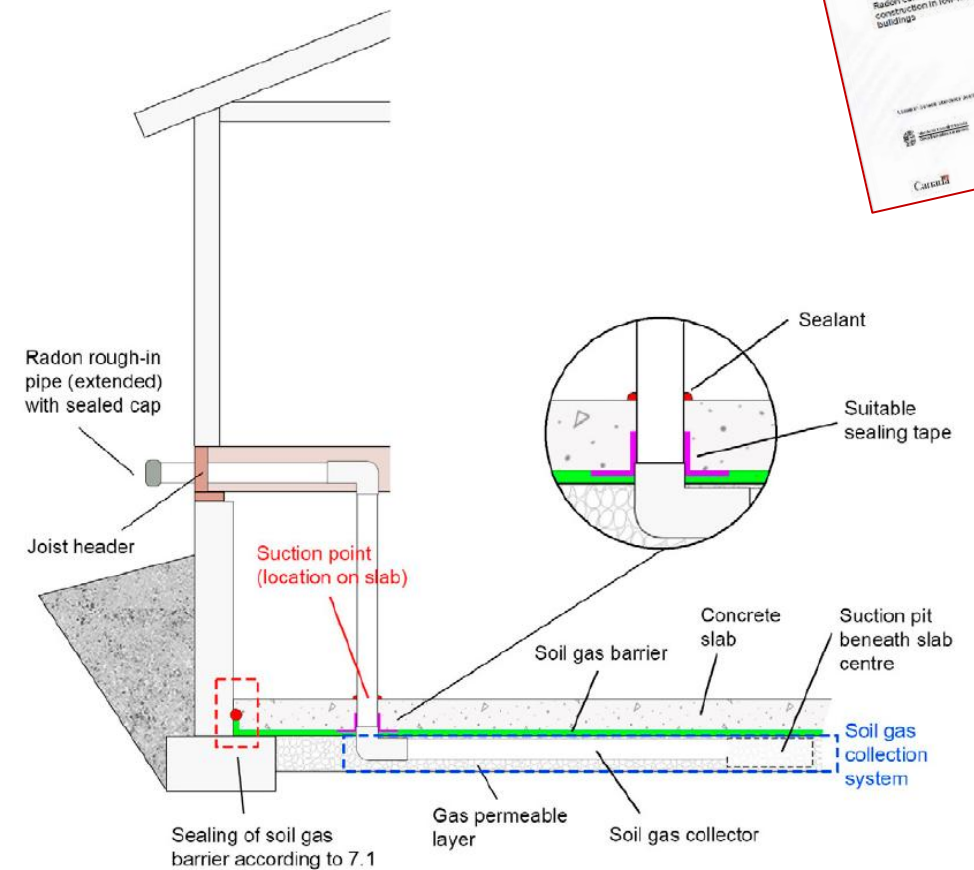
# ILLUSTRATIVE DIAGRAM OF A LEVEL 1A RADON ROUGH-IN

(FIGURE 2A AND 2B)



# CGSB LEVEL 1B RADON ROUGH IN SYSTEM (FIGURE 3)

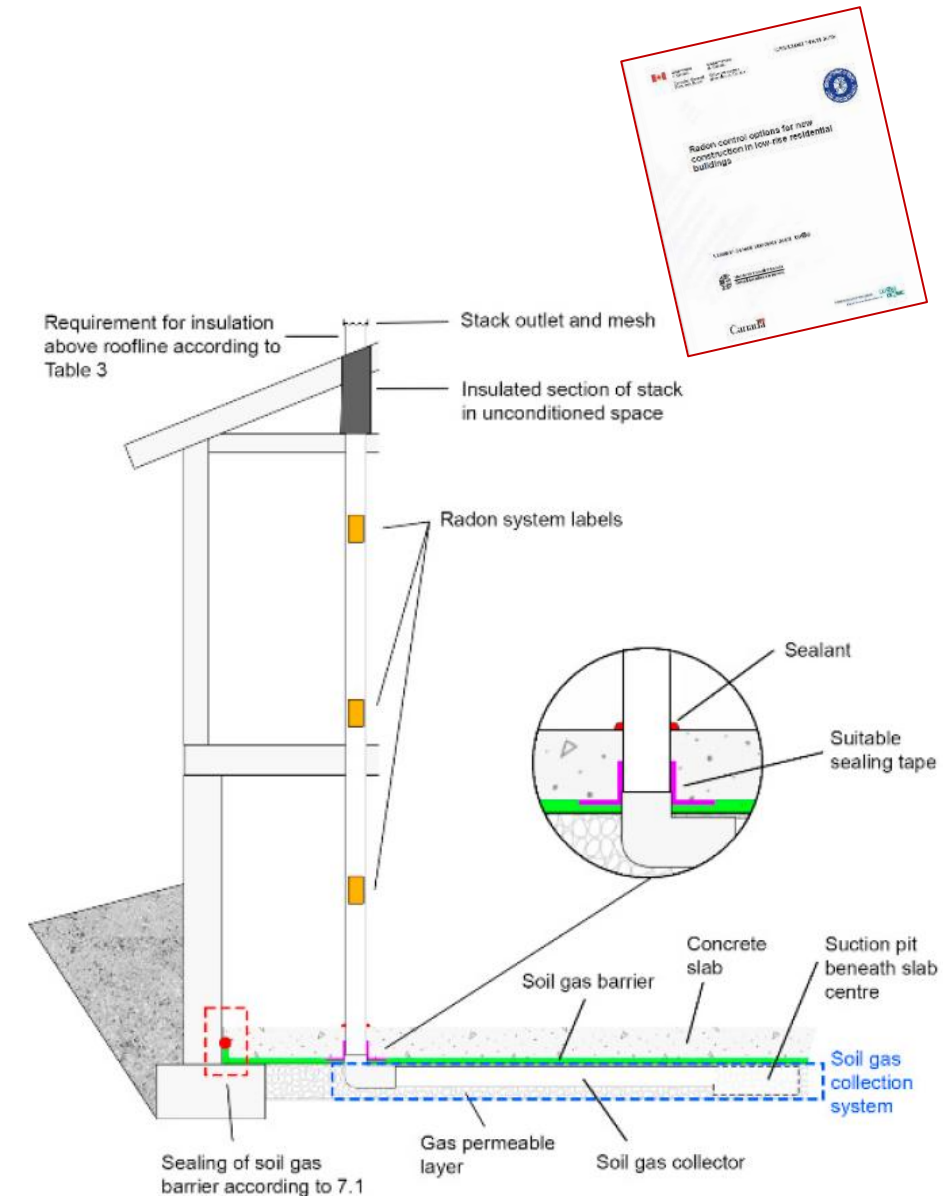
The pipe route has at least been planned here ahead of time.



# CGSB LEVEL 2 RADON ROUGH IN SYSTEM

(FIGURE 10)

**Preferably no bends**



# CGSB STANDARD - LABELLING

- **There are five label types:**

1. soil gas barrier labels,
2. soil gas collector (pipe) labels,
3. radon rough-in pipe labels,
4. sump labels, and
5. electrical panel labels

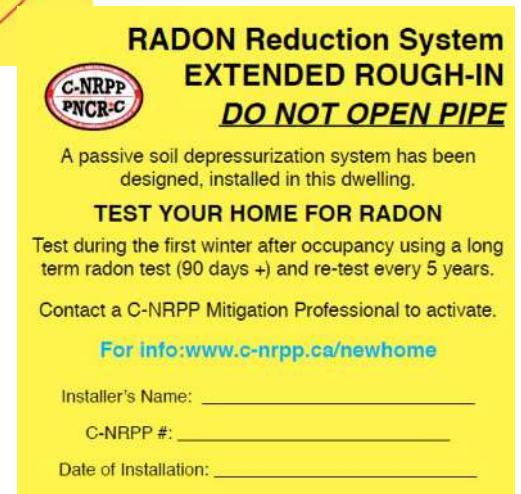
- **Six if you activate the system:**

6. Radon fan label



## Labels Shall:

- be durable.
- be in both official languages.
- be applied to clean dry surfaces
- use lettering that is in a contrasting colour to the background





## MORE TOPICS

## BC Codes

## BC Codes 2024

[BC Codes 2018](#)[Errata & Revisions](#)[Technical Bulletins](#)[Code Interpretations](#)[Other Code Resources](#)[Letters of Assurance](#)[BC Public Review](#)[National Model Codes](#)

## BC Codes 2024

★ Last updated on March 8, 2024

① BC Codes 2024 are now in effect, except for adaptable dwellings and earthquake changes which take effect March 10, 2025.

① An updated version of the BC Codes 2024 is now available, offering code users new interactive features.

① New technical bulletins for the 2024 BC Building Code are now available.

### About the BC Codes 2024

BC Codes 2024 are largely based on the National Codes 2020 with some BC-specific variations to reflect the province's geography, climate, local government needs, industry practices, and provincial priorities. Book I (General) and Book II (Plumbing Systems) together form the BC Building Code 2024.

#### National Code changes incorporated into BC Building Code 2024:

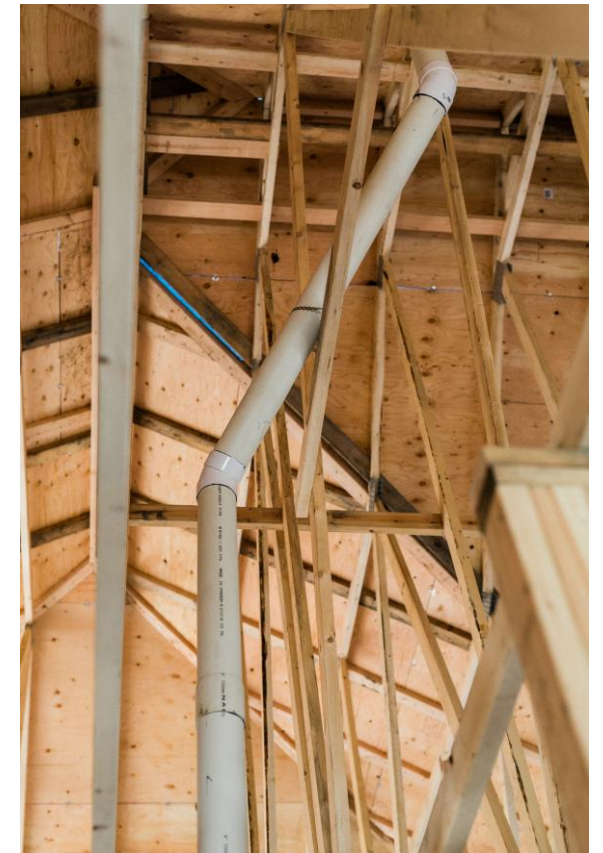
- Enabling mass timber construction
- Requiring rough-ins for radon safety province-wide

#### BC-specific changes effective March 2024:

- More complete and specific language for constructing extended rough-ins for radon subfloor depressurization systems
- Adopting cooling requirements to provide one living space that does not exceed 26 degrees Celsius
- Retaining existing ventilation requirements for systems serving single dwelling units

#### BC-specific changes effective March 2025:

- Requiring 100% adaptable dwellings in large condominium and apartment buildings and the first floor dwelling units in new small apartments and condominiums to be adaptable
- Reinforcement of bathroom walls to allow future installation of grab bars
- Early adopting national provisions to improve earthquake design changes for housing and small buildings with high seismic hazard values





**Radiation Safety  
Institute of Canada**  
Institut de radioprotection du Canada

## Radon Demonstration: Application of Building Code Changes in Winnipeg New Home Construction

April 2014



## CHALLENGES:

- **Poor sealing of membrane**
- **Poor location of rough-in**
- **Poor installation of rough-in**
- **Poor labelling of rough-in**
- **Rough-in not sealed**
- **Improper pipe used**

Radon Demonstration:  
Application of Building Code  
Changes in Winnipeg New  
Home Construction

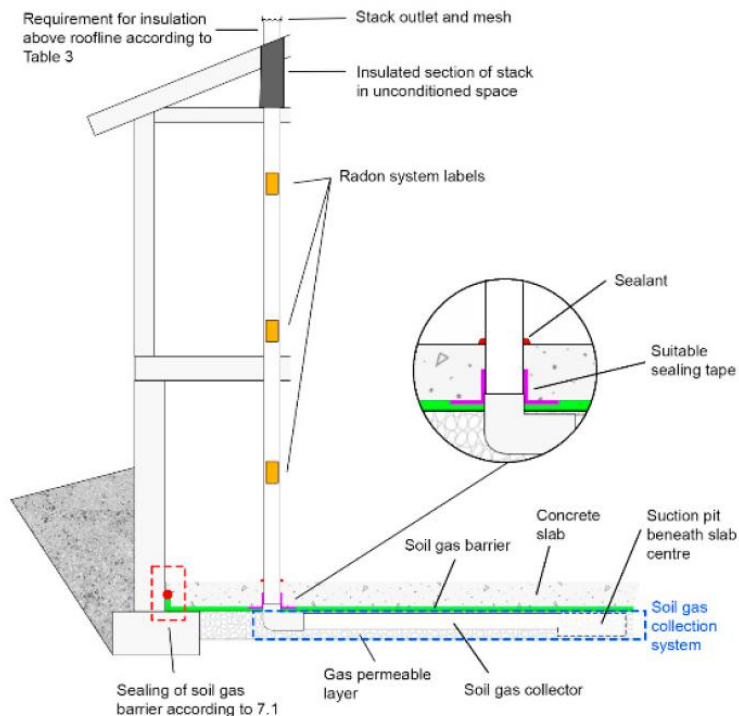
April 2014





# PROPOSED BUILDING CODE CHANGES 2025

Figure 10 – Level 2 system – Illustrative example of a passive vertical radon stack (not to scale)



**Passive Vertical Radon Stack**

This proposed change adds requirements for radon mitigation by use of a passive vertical radon stack in dwelling units and home-type care occupancies that have a wall, roof or floor assembly in contact with the ground.





## Radon and the BC Building Code: Assessing Implementation

dchrisoh, 2014. Eric's House <https://creativecommons.org/licenses/by-nc-nd/2.0/>

**TABLE 1: RADON INSPECTIONS**

Town	Total Homes Inspected	Under construction	Post-Construction/ Occupied
Blind Bay	1	1	—
Coldstream	1	—	1
Golden	1	—	1
Kamloops	14	4	10
Kelowna	28	18	10
Lake Country	7	1	6
Revelstoke	14	7	7
Salmon Arm	3	0	3
Vernon	20	14	6
Total	89	45	44

<https://bclung.ca/wp-content/uploads/2024/06/BC-Building-Code-Report.pdf>



## Concerns with implementation

- Gravel and fill
- Multiple footings
- Blocked or ineffective soil gas collector (pipe under the slab)
- Gaps in the foundation
- Location of pipe and room for fan
- Electrical outlet for fan
- Elbows and horizontal runs
- Incorrect pipe used
- Labelling
- Insulation and Freezing
- Termination of pipe;

# Challenges with Pipe Location



Figure: 9 Sewer pipe (left) versus Schedule 40 pipe (right), Photo credit: Chantal Wilk

Incorrect Pipe type

Home

## Eight quick facts about radon



8. **The new home warranty covers it.** If your home is less than seven years old and a long-term radon test of at least three months indicates levels higher than 200bq/m3, there is help available for you. Your new home warranty provides radon remediation coverage for seven years from the original possession date, and the maximum coverage was recently increased to \$50,000 for homes who have a signed Agreement of Purchase and Sale after February 1, 2021. Report the situation to your builder and Tarion on the applicable warranty claim form. Your builder is required to take appropriate measures to reduce the radon in your home to an acceptable level. And if your builder fails to take action, then Tarion will step in to help.

<https://www.tarion.com/media/eight-quick-facts-about-radon>

***In Ontario, [Tarion Warranty](#) covers new homes for the first seven years after construction.***

If homes test above the Health Canada guideline then the warranty program covers the cost of the radon mitigation system if installed by a C-NRPP Professional.





Radiation Safety  
Institute of Canada  
Institut de radioprotection du Canada



# A contest to reward Canadians for spreading RADON AWARENESS!



Knowvember.ca



TAKE  
ACTION  
ON RADON



Canadian  
Cancer  
Society

[The Contest](#) ▾ [About Radon](#) ▾ [Spot Radon](#) [Language](#) ▾

## KNOWVEMBER

Get in the know about radon and lung health this November! Spread the word during Radon Action month and enter to win prizes!

[Learn More](#)

[About Radon](#)

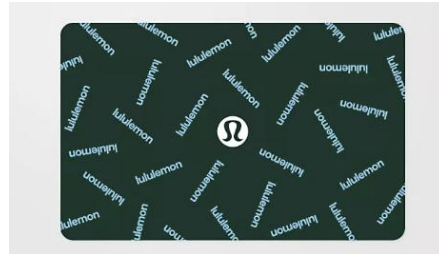




## Grand Prize Draws – December 1



•One (1) \$100 Gift Card for Raw Canvas,  
VALUE: \$100



One (1) \$150 Gift Card for Lulu  
Lemon, VALUE: \$150



\$400 Gift Card for Footsource- Calgary  
orthotics, VALUE: \$400

Eight (8) \$50.00 retail gift cards (two weekly prizes during each Weekly Entry Period).

Draw dates:

- November 3
- November 10
- November 17
- November 24



One (1) Fitbit Versa 4 Fitness Smartwatch  
Waterfall Blue/Platinum Bundle,  
APPROXIMATE VALUE: \$348



•One (1) PELICAN Boracay NXT Inflatable  
Stand-up Paddle Board - 10 ft. 4 in.,  
APPROXIMATE VALUE: \$399



One (1) KitchenAid Artisan Mini Stand Mixer  
(approximate retail value ("APR") \$479.99).





# Get to know radon

Have fun while you get “in the know” about radon! Take a look at various locations around your community and discover the answers to some common radon questions.

Character select

Instructions

Check out the Radon Game at:  
[www.knowvember.ca](http://www.knowvember.ca)





# Questions?

- Please post questions in the Q&A.
  - If you cannot see it, post in chat and we will copy them over.
- Questions we do not get to
  - Answers will be posted to our website and a link to resources emailed out







***“Good science in plain language”<sup>®</sup>***

*Thank you for listening!*

[www.radiationsafety.ca](http://www.radiationsafety.ca)

1-800-263-5803

[info@radiationsafety.ca](mailto:info@radiationsafety.ca)



## Wellness Break

# 基宏太極拳學院

身輕體淨 心暢神舒

課程：理法精確，由淺入深，循序漸進  
Our Curriculum is systematic, clear and accurate.  
It allows students to learn effectively and progress efficiently.

教練：經驗豐富，耐心細緻，親切友善  
Our Instructors are experienced, patient and dedicated.  
We pay close attention to individual progress.

Phone 647-921-1368  
中文電話 647-388-0083  
www.TaiChiOntario.com



總教練 - 梁寶森師傅  
Chief Instructor - Bao Sen Liang

# Ji Hong Tai Chi

Tai Chi keeps you Healthy  
in Mind, Body and Soul



10 East Wilmot St. Unit 21  
Richmond Hill, Ontario

Ji Hong Tai Chi & Qi Gong, Richmond Hill, ON



## Resources

- [C-NRPP Consumer grade electronic monitors](#)
- [C-NRPP How to become certified](#)
- [CSA Standard 149.12-2024 Radon mitigation options for existing buildings](#)
- [US EPA Radon Prevention in the Design and Construction of Schools and Other Large Buildings](#)
- [ANSI/ASHRAE 62.1-2022: Ventilation for Indoor Air Quality](#)



## Resources

- [Alberta Infrastructure Radon Mitigation Rough-in System](#)
- [National Building Code of Canada 2020](#)
- [Provincial/territorial adoption of the National Building Code](#)
- [BC Radon Rough-in Requirements](#)
- [CAN/CGSB-149.11-2024 Radon control options for new buildings](#)
- [BC Lung - Radon and the Building Code: Assessing Implementation](#)



## Resources

- [Ontario Tarion Warranty Radon Coverage](#)
- [Tarion Warranty – 8 Quick Facts about Radon](#)
- [Knowvember](#)
- [RSIC – How to test for radon gas in your home](#)
- [RSIC - Why should you test your home for radon in the winter?](#)
- [RSIC Factsheet – Radon Gas](#)
- [RSIC Factsheet – Radon in Your Home](#)