



Radon Inspection Report

Measurement Information

Client Name

Geoffrey Chaucer

Client Phone number

067-940-9890

Client Email Address

g.chaucer@tabardinn.co.uk

Measurement Started

09/17/2026 18:11

Measurement Ended

09/19/2026 22:11

Inspection Duration

48hour (Data No : 48)

Building Year

1950

Building Type

Single-family home

Room Type

Living room

Floor

Basement

Test Purpose

Real Estate



Measurement Location

Rooms Above Aldgate

London, Vermont

02222

Test Result: < **EPA Action Level**

EPA recommends mitigation
if the radon average is 4pci/L or more

Overall Average

2.0 pCi/ℓ

EPA Average*

2.0 pCi/ℓ

* The EPA protocol average discards the first four hours of the deployment period. The official number to go with is the EPA protocol average.

Device Information

Device S/N

RP22608240024

Calibration Expiration Date

08/24/2027

MDC (Minimum Detectable Concentration)

0.2 pCi/L

Test Company information

Company

Hepburn Home Inspections

Company Email

cjhepburn@yahoo.com

Company Address

258 Town Farm Rd.

Certification # (State-License #)

VT 143.0134150

Company Phone

802-267-4401

Reading, Vermont 05062

Test Limitations: There is an uncertainty with any measurement result due to statistical variations and other factors such as daily and seasonal variations in radon concentrations. Variations may be due to changes in the weather, operation of the dwelling, or possible interference with the necessary test conditions.

Inspection Information

Delay/Discard
the first 4 hours

Inspection Duration
48 hours

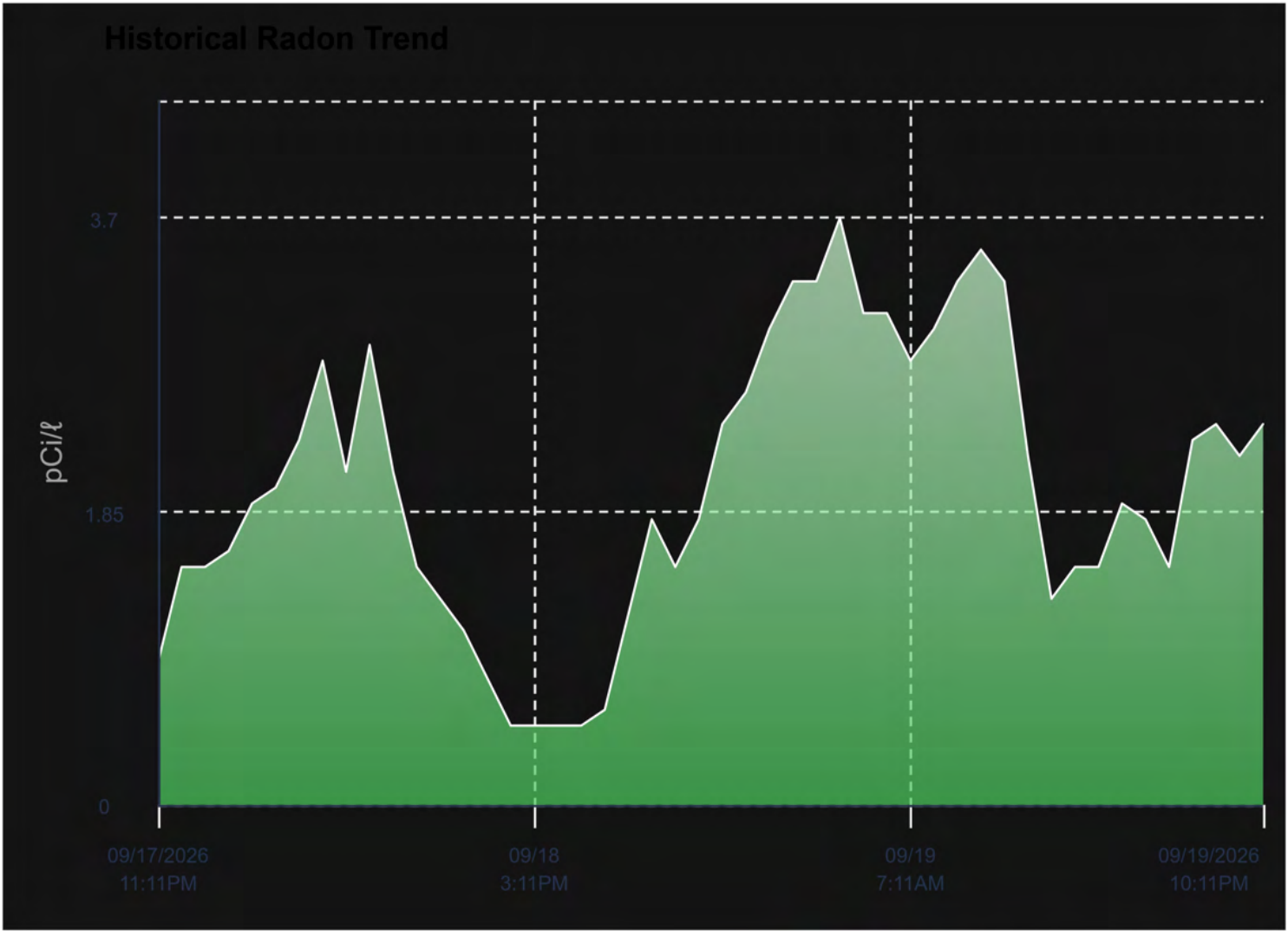
Measurement Started
THU , 09/17/2026 06:11 PM

Measurement Ended
SAT , 09/19/2026 10:11 PM

Measurement Radon Concentration Max
3.7 pCi/ℓ

Measurement Radon Concentration Min
0.5 pCi/ℓ

%Uncertainty
1.9



Overall Average Radon Concentration

Timestamp	Radon Value	Temp	RH(%)	Timestamp	Radon Value	Temp	RH(%)
09/17/26 23:11	0.9	71	68	09/18/26 23:11	2.4	70	58
09/18/26 00:11	1.5	71	69	09/19/26 00:11	2.6	69	58
09/18/26 01:11	1.5	71	68	09/19/26 01:11	3.0	69	59
09/18/26 02:11	1.6	71	67	09/19/26 02:11	3.3	69	59
09/18/26 03:11	1.9	71	67	09/19/26 03:11	3.3	68	58
09/18/26 04:11	2.0	70	67	09/19/26 04:11	3.7	67	57
09/18/26 05:11	2.3	70	67	09/19/26 05:11	3.1	67	57
09/18/26 06:11	2.8	70	66	09/19/26 06:11	3.1	66	57
09/18/26 07:11	2.1	69	66	09/19/26 07:11	2.8	66	56
09/18/26 08:11	2.9	69	66	09/19/26 08:11	3.0	65	57
09/18/26 09:11	2.1	70	65	09/19/26 09:11	3.3	65	57
09/18/26 10:11	1.5	70	65	09/19/26 10:11	3.5	65	57
09/18/26 11:11	1.3	70	64	09/19/26 11:11	3.3	66	56
09/18/26 12:11	1.1	70	65	09/19/26 12:11	2.2	66	54
09/18/26 13:11	0.8	71	65	09/19/26 13:11	1.3	66	55
09/18/26 14:11	0.5	71	63	09/19/26 14:11	1.5	66	56
09/18/26 15:11	0.5	71	64	09/19/26 15:11	1.5	67	55
09/18/26 16:11	0.5	72	64	09/19/26 16:11	1.9	67	56
09/18/26 17:11	0.5	72	63	09/19/26 17:11	1.8	67	56
09/18/26 18:11	0.6	72	62	09/19/26 18:11	1.5	66	56
09/18/26 19:11	1.2	72	60	09/19/26 19:11	2.3	66	57
09/18/26 20:11	1.8	71	60	09/19/26 20:11	2.4	66	58
09/18/26 21:11	1.5	71	60	09/19/26 21:11	2.2	66	56
09/18/26 22:11	1.8	71	59	09/19/26 22:11	2.4	65	56

* Temperature and humidity can vary depending on environmental conditions.

* The test data was taken from a testing device approved by the National Radon Proficiency Program.

Table of Hourly Radon Measurements

Radon Concentration Average: 2.0 pCi/ℓ

Timestamp	Radon Value	Temp	RH(%)	Timestamp	Radon Value	Temp	RH(%)
Event							
Movement		09/17/26 18:29					
Movement		09/17/26 18:29					
Movement		09/17/26 18:30					
Movement		09/19/26 15:40					

* Temperature and humidity can vary depending on environmental conditions.

* The test data was taken from a testing device approved by the National Radon Proficiency Program.

MEASUREMENT ENVIRONMENTS



RECOMMENDATIONS (as per ANSI-AARST Radon Measurement in Homes Standard)

Average test result is 4.0 pCi/L or greater: YOUR RADON IS HIGH

- **FIX THE BUILDING.** Test results indicate occupants may be exposed to radon concentrations that meet or exceed the EPA action level of 4 pCi/L or greater.
- Efforts to reduce radon concentrations are not complete until a retest provides evidence of mitigation effectiveness.
- Complete a short-term test between 24 hours and 30 days after installation of a mitigation system.
- Retest every 2 years to ensure the system remains effective.

Average result is between 2.0 and 4.0 pCi/L: YOUR RADON IS MODERATELY ELEVATED

- **CONSIDER FIXING THE BUILDING.** Test results indicate radon levels greater than half the EPA action level.
- The World Health Organization (WHO) recommends mitigation if levels are 2.7 pCi/L (100 Bq/m³) or higher.
- Note that tests conducted when the heating system is active both day and night are more likely to provide a clear characterization of potential radon hazards.

Average test result is less than 2.0 pCi/L: YOUR RADON IS LOW

- **NO FURTHER ACTION REQUIRED AT THIS TIME.** The average indoor radon level is estimated to be about 1.3 pCi/L; the normal outdoor air radon level is 0.4 pCi/L.
- Radon levels in a building can fluctuate due to weather conditions and other factors, including renovations and alterations, or changes in the HVAC system. For this reason, EPA recommends **retesting your home every 5 years** and remediating if levels become elevated.

Times to Retest:

Retest in conjunction with any sale of new or existing buildings. In addition, be certain to test again or continuously monitor when any of the following circumstances occur:

- A new addition is constructed or alterations for building reconfiguration or rehabilitation occur.
- A ground contact area not previously tested is occupied, or a home is newly occupied.
- Heating or cooling systems are significantly altered, resulting in changes to air pressure relationships.
- Ventilation is significantly altered by extensive weatherization, changes to mechanical systems or comparable procedures.
- A mitigation system is altered, modified, or repaired.
- Significant openings to soil occur due to:
 - Groundwater or slab surface water control systems that are altered or added (e.g., sumps, perimeter drain tile, shower/tub retrofits, etc.).
 - Natural settlement causing major cracks to develop.
- Earthquakes, construction blasting, fracking, or formation of sink holes nearby, or
- A mitigation system is altered, modified, or repaired.