



506-381-7654

**P.O.Box 23182,
Moncton NB
E1A-6S8**

**Normand LeBlanc
C-NRPP Certified**

**RADON TESTING
COMPLIANCE WITH CLOSED BUILDING CONDITIONS
BY OCCUPANT**

In order for a short term radon test to be valid, Health Canada requires that closed-building conditions be maintained during the test period, and for **twelve (12) hours** prior to starting the test when the testing period is less than four (4) days. A summary of Health Canada definition of closed-building condition is as follows:

Short-term measurements must be made under closed-building conditions to stabilize the radon concentrations and increase the validity of the annual radon concentration estimate. In addition to maintaining closed-building conditions during the measurement, these conditions should be in place for 12 hours prior to the initiation of a measurement lasting less than 4 days, and are recommended prior to measurements lasting up to a week in duration. Closed-building conditions involve ensuring that:

- ← -Windows on all levels and external doors are kept closed for the duration of the test, except during normal entry and exit. Normal entry and exit include a brief opening and closing of a door, but external doors should not be left open for more than a few minutes.
- ←
- ← -External-internal air exchange systems such as high-volume, whole-house and window fans are not operated. However, attic fans intended to control attic temperature or humidity may be operated. Combustion or furnace makeup air supplies must not be closed.
- ←
- ←
- ← -Normal operation of permanently installed energy recovery ventilators (also known as heat recovery ventilators or air-to-air heat exchangers) may continue. In houses where permanent radon mitigation systems have been installed, these systems should be functioning during the measurement period.
- ←
- ← -Air conditioning systems that recycle interior air can be operated during the closed-building conditions.

Short-term measurements lasting less than four days should not be conducted during severe storms or periods of unusually high winds. The rapid changes in barometric pressure associated with storms increase the chance of a large difference in the building interior and exterior air pressures, thus changing the rate of radon influx. A high wind increases the variability of radon concentration because of wind-induced differences in air pressure between the building interior and exterior. In either case, the radon concentration during the measurement may not be representative of the average concentration in the building. Weather predictions available on local news stations or weather-reporting Web sites provide sufficient information to determine if these conditions are likely.

Closed-building conditions generally prevail during the cold season from October to April when the average daily temperature is low enough that windows are kept closed. To provide closed-building conditions outside the cold season, the occupants may have to change their life-style for the duration of the measurement.

In addition, the detector(s) should not be touched, moved, or manipulated in any way as to interfere with their performance. Tamper indicating controls may have been installed, and the test results may be ruled invalid if closed-building conditions were not maintained or the detectors were disturbed during test period. Any circumstances that occur during the test that may influence the final results should be reported. The occupant(s) or representative(s) should not alter the test environment in any way including, but not limited to, raising or lowering the thermostat(s) or changing HVAC fan controls.

We are required to explain these closed-building conditions to a responsible occupant of the house to be tested or their designated representative prior to a short term screening test. If this measurement is being conducted for real estate purposes, your signature is requested below to verify that we have met this obligation, and that the conditions listed above were maintained during the test period. If additional information is desired, please call **Normand LeBlanc at 506-381-7654**.

I am an occupant or a designated representative of the seller. I have read and understand the conditions listed above and by signing below verify that said conditions were adhered to during the testing period.

_____ Date: _____
Occupant or Designated Representative

Moncton Radon Testing and Solutions Inc.
"Keeping Homes Safe One Test At A Time"

RADON MEASUREMENT TESTING DECLARATION OF VOLUNTARY COMPLIANCE

As the responsible party for the test location listed below, I hereby acknowledge reading and understanding Health Canada definition of closed-building conditions as listed above, or by viewing at http://www.hc-sc.gc.ca/ewh-semt/pubs/radiation/radon_homes-maisons/index-eng.php#a22

I further understand that potential purchaser and/or lenders will be making important decisions pending the outcome of this test. Given this information I hereby certify that:

(1) I agree to keep this house closed (except for normal entry and exit) for a minimum of 12 hours prior to the start of the test. If this condition is not met, the test shall be extended a minimum of 12 hours under closed house conditions.

(2) I agree to keep all doors and windows closed during the entire test period except for normal entry and exit.

(3) I will not knowingly alter the test environment in any way including, but not limited to, raising or lowering the thermostat(s) or changing HVAC fan controls.

(4) I will not tamper with, remove, or change the location of the test device(s).

(5) I will report any circumstances that occur during the test that may influence the final results.

(6) If i have any questions about the test, i will contact the testing firm immediately.

(7) I have read, understand, and agree to the Radon Measurement Testing Declaration Of Voluntary Compliance.

Address Of Radon Test: _____

_____ Date: _____

Occupant or Designated Representative

Moncton Radon Testing and Solutions Inc.
"Keeping Homes Safe One Test At A Time"