



**Test Location Information**

Building Type: Residential  
Floor: B1 | Year Built: 1960  
Location: Basement  
25 Eagle Court  
Carlisle OH 45005 Montgomery

**Device Information**

Serial: LPT0001164 | Model: CRM-510LPT  
Rn Cal: 0.417 CPM/pCi/l | Bkg: 0.2 pCi/l  
CO Cal: Calibration Gas @ 150 ppm  
CO2 Cal: Factory Calibrated  
Calibrated: 07/11/2022

**Final Result(s)**

Average VOC: 1/3 (Good)  
Average Carbon Monoxide: 0 ppm  
Average Carbon Dioxide: 601 ppm  
Average Radon: 1.2 pCi/l  
**Radon is below EPA action level.**

**Start Time**

9/2/2022 3:55:00 PM

**Stop Time**

9/4/2022 3:55:00 PM

**Test Length**

48 Hours

**Radon Counts**

1624

**PURPOSE OF THIS INSPECTION REPORT**

To provide a professional opinion of a structure's radon level & indoor air quality at the time of the test period, limited to the conditions identified in this report.

**EXPLANATION OF TEST RESULTS**

Radon, carbon monoxide, carbon dioxide, VOC's, and airborne mold have always been a concern for people spending time indoors.

- The U.S. Environmental Protection Agency (EPA) and the Surgeon General strongly recommend taking further action when the home's radon test results are 4.0 pCi/l or greater.
- The U.S. Environmental Protection Agency (EPA) recommends that carbon monoxide levels should not exceed 9 ppm in any given 8-hour period, 35 ppm for 1-hour.
- The Occupational Safety and Health Administration recommend that carbon dioxide levels should not exceed 5,000 ppm in any given 8-hour period, or 30,000 ppm for a 10-min period.
- The U.S. Environmental Protection Agency (EPA) and the Centers for Disease Control and Prevention (CDC) recommend keeping indoor humidity levels between 30-50% to minimize the presence of airborne mold.

**LIMITATIONS OF LIABILITY**

femto-TECH, INC. cannot guarantee the necessary conditions were maintained during the test period. There can be uncertainty with any radon & air quality measurement due to statistical variations and other factors such as changes in the weather and operation of the dwelling. We make NO WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED, for the consequences of erroneous test results.

femto-TECH, INC. and its employees or agents shall not be liable under any claim, charge or demand, whether in contract, tort, or otherwise, for any and all loss, cost, charge, claim, demand, fee, or expense of any nature or kind arising out of, connected with, resulting from, or sustained as a result of any radon or air quality test.

**RADON TEST DATA**

This test was conducted with a femto -TECH CRM-510LPT, an EPA and Industry approved testing device. This test was performed in accordance with the current Standards and Guidelines accepted for radon testing.

**Technician Information**

Placed by: Bill Nye Retrieved by: Jane Doe

ID: 54321 ID: 09876

Signature:

**Client Information**

Marie Curie 25 Eagle Court

(123) 456-7890 Carlisle OH 45005

Signature:

# Post-Test Recommendations

## Test result is 4.0 pCi/L or greater

- Fix the building if the test result indicates occupants may be exposed to radon concentrations that meet or exceed the EPA action level of 4.0 pCi/L.
- Efforts to reduce radon concentrations are not complete until a retest provides evidence of effectiveness.
  - Complete a short-term radon test between 24 hours and 30 days after the installation of a mitigation system.
  - Retest every 2 years to ensure the system remains effective.

## Test result is between 2.0 and 4.0 pCi/L

- Consider fixing the building if the test result indicates radon levels greater than half the action level.
- Tests conducted when heating systems are active both day and night are more likely to provide a clear characterization of potential radon hazards.

## When to Retest

- Retest every 5 years if NO mitigation system is installed.
- Retest in conjunction with the sale of any new or existing buildings.
- Be certain to test again if and when any of the following circumstances occur:
  - A new addition is constructed or alterations for building rehab or reconfiguration occur.
  - A ground contact area not previously tested is occupied, or a home is newly occupied.
  - Heating and cooling systems are significantly altered.
  - Ventilation is significantly altered by extensive weatherization, changes to mechanical systems or comparable procedures.
  - Significant openings to the soil occur due to:
    - Groundwater or slab surface water control systems that are altered or added ( ex. sumps, perimeter drain tile, shower/tub retrofits).
    - Natural settlement causing major cracks to develop.
  - Earthquakes, construction blasting, or formation of sink holes nearby.
  - A mitigation system is altered, modified, or repaired.