



# Buyers Protection Group

(800) 285-3001

May 17, 2019

*Test Address: 1355 Stark Strasse, Ann Arbor, MI*

## **RADON REPORT--PLEASE READ IN ITS ENTIRETY**

This document discusses the radon screening performed on your behalf. The test was performed using a FemtoTech 510 continuous radon monitor.

Hourly results, as well as a cumulative average, are computed for the duration of the test. **The average concentration measured during this test was 24.8 picocuries per liter.** *The NEHA suggests that mitigation take place when the average radon concentration is 4.0 picocuries per liter or above and consider between 2.0 and 3.9.* For more information about radon, its health effects and what the NEHA says your results mean, please read the EPA pamphlet entitled "**Home Buyer's and Seller's Guide to Radon**" at <http://www.epa.gov/radon/pubs/hmbyguid.html> .

**Your test tape** has six columns of information. In order, they are: 1) hour count for duration of test; 2) concentration of radon in picocuries of radon gas per liter of air; 3) a tilt column with a "/" representing a movement of the monitor; 4) relative humidity; 5) barometric pressure; and 6) degrees Fahrenheit. The bottom of this tape gives the elapsed time, the total count and average concentration of radon for the period of the test.

Your **State Radon Contact** is the *Department of Environmental Quality*. Their phone number is **1-800-723-6642**. They have free in-depth radon literature, and we have found them to be quite helpful.

### QUALIFICATION OF RESULTS

Please note that your test results rely on the cooperation of other parties in maintaining proper test conditions. We may not be able to detect attempts to change results by opening doors, etc. Information was posted in the home and provided to the occupants (if occupied) regarding the conditions necessary to gain the most accurate results.

Regardless of the thoroughness of a radon test, there is the possibility that radon levels during periods other than those actually monitored, and at other locations within the house or on the property, will differ from those monitored. No warranty or guarantee of any kind is offered unless a mitigation system is installed.

Our services have been performed in accordance with generally accepted radon testing and evaluation principles and practices, as they currently exist.

The following suggestions and observations are offered to help you evaluate the meaning of your test results.

### A RADON TEST REPORT IS BASED ON A UNIQUE SET OF SITE-SPECIFIC FACTORS

A report of radon test results, whether for screening or for follow-up and evaluation measurements, is based on instrumentation placed and data collected from specific locations and under a variety of conditions. Many factors influence the significance and reliability of the measurement. Among these are:

- Environmental conditions such as weather, test season, closed-house conditions, temperature and humidity, snow cover;
- The type of sampling device used, duration of monitoring time, and the cooperation of occupants and others with needed test conditions;
- The location of the test(s) in the structure;
- Heating, venting and air conditioning systems, use of direct vent fans such as Jenn-Air type ranges, the type and quality of construction, and the location of structures on a specific property;
- The nature of subsurface conditions, such as soil type, rock type, ground water conditions (which can change), etc.

#### RADON LEVELS CAN CHANGE

Constantly changing natural forces in the environment, such as high winds or abrupt changes in barometric pressure, may modify radon levels. Winter results may vary from summer results (often higher) due in part to the effect of heating equipment on ventilation rates and due to snow cover. Because laboratory analysis and radon evaluation reports are based on conditions that existed at the time of monitoring, decisions relative to additional testing and/or mitigation should take these changes into consideration. For example, a test result of 3.0 today could be over 4.0 under other circumstances. Modification to the existing structure involving remodeling or changes in the ventilation, heating or air conditioning systems (as well as normal settlement and cracking which occur in most structures over a period of time) could result in higher radon levels than existed at the time of the original test. **The client or homeowner should consider additional follow-up testing to confirm the results of this test.** AARST recommends that re-testing take place with each change of ownership, structural or mechanical alteration to the dwelling, change in the ventilation pattern or system (including installation of Jenn-Air style ranges), cracks occurring in the foundation, nearby blasting, excavation or earthquakes, and after every two years.

Thank you for using Buyers Protection Group. Please don't hesitate to call with any questions.

< RADON TEST REPORT >

I/D \_\_\_\_\_

START DATE 5/15/19

START TIME 10:57

OPERATOR \_\_\_\_\_

SERIAL NO. - CRM5101159

C/F (CPM/PCi/l) .336

BKG (PCi/l) .4

Hr	Conc. PCi/l	L B	RH %	B/P 'Hg	deg F
1	13.4	/	54	28.6	62
2	21.4		54	28.6	64
3	20.0		53	28.6	64
4	24.5		53	28.6	64
5	24.6		53	28.6	64
6	23.9		54	28.6	64
7	23.4		53	28.6	64
8	24.6		54	28.6	64
9	25.1		54	28.6	64
10	22.2		54	28.6	64
11	24.5		54	28.6	64
12	27.0		54	28.6	64
13	24.0		54	28.6	64
14	28.6		54	28.6	64
15	27.1		54	28.6	64
16	29.8		54	28.6	64
17	27.7		54	28.6	64
18	27.1		54	28.6	64
19	27.3		54	28.6	64
20	27.8		54	28.6	64
21	27.4		54	28.6	64
22	27.1		54	28.6	64
23	26.0		54	28.6	64
24	28.0		54	28.6	64
25	25.4		54	28.6	64
26	21.9		54	28.6	64
27	24.0		54	28.6	64
28	23.9		54	28.6	64
29	24.0		54	28.6	64
30	21.6		55	28.6	64
31	22.1		55	28.6	64
32	22.8		55	28.6	64
33	22.2		55	28.6	64
34	21.9		55	28.6	64
35	22.1		55	28.6	64
36	22.0		55	28.6	64
37	21.7		55	28.6	64
38	22.9		55	28.6	64
39	25.5		55	28.6	64
40	24.0		55	28.6	64
41	26.8		56	28.6	64
42	26.2		56	28.6	64
43	28.2		56	28.6	64
44	26.6		56	28.6	64
45	25.6		56	28.6	64
46	27.2		56	28.6	64
47	26.7		56	28.6	64
48	26.3		56	28.6	64
49	28.9		56	28.6	64
50	25.3		56	28.6	64

Elapsed Time (min.) 3000  
 Total Count 25429  
 Avg. (PCi/l) 24.8