

# Radon Measurement Report



## COMPANY INFORMATION i

Name:	Armstrong Home Inspection Service, LLC
Phone Number:	218-390-2166
Email:	armstronghomeinspectionsvc@gmail.com
Address:	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

## PROPERTY INFORMATION h

Property Name:	Mark Arms
Address:	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Ventilation Type:	Air Exchanger
Foundation Type:	Basement Foundation
Radon Mitigation System:	None

## MEASUREMENT SUMMARY



LEVEL OF RADON

MINIMUM  
0.2 pCi/L

AVERAGE  
2.4 pCi/L

MAXIMUM  
4.2 pCi/L



TEMPERATURE

MINIMUM  
63.0 °F

AVERAGE  
64.4 °F

MAXIMUM  
67.6 °F



HUMIDITY

MINIMUM  
39.5 %rH

AVERAGE  
44.7 %rH

MAXIMUM  
47.0 %rH



ATMOSPHERIC PRESSURE

MINIMUM  
28.6252 inHg

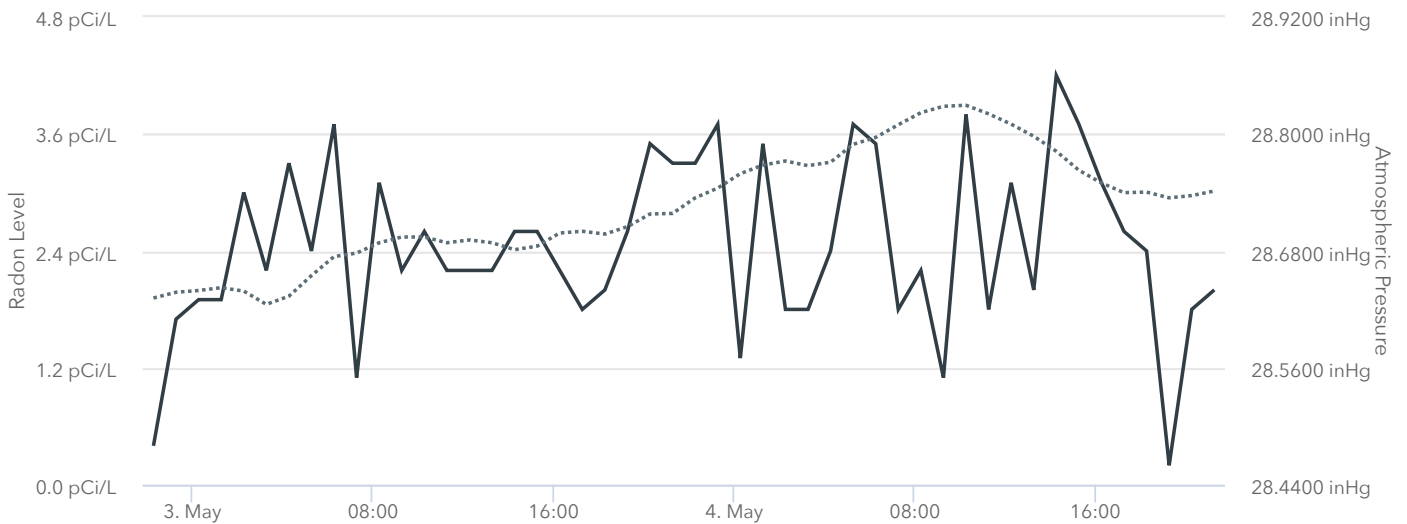
AVERAGE  
28.7253 inHg

MAXIMUM  
28.8295 inHg

### RADON LEVEL & AIR PRESSURE GRAPHS

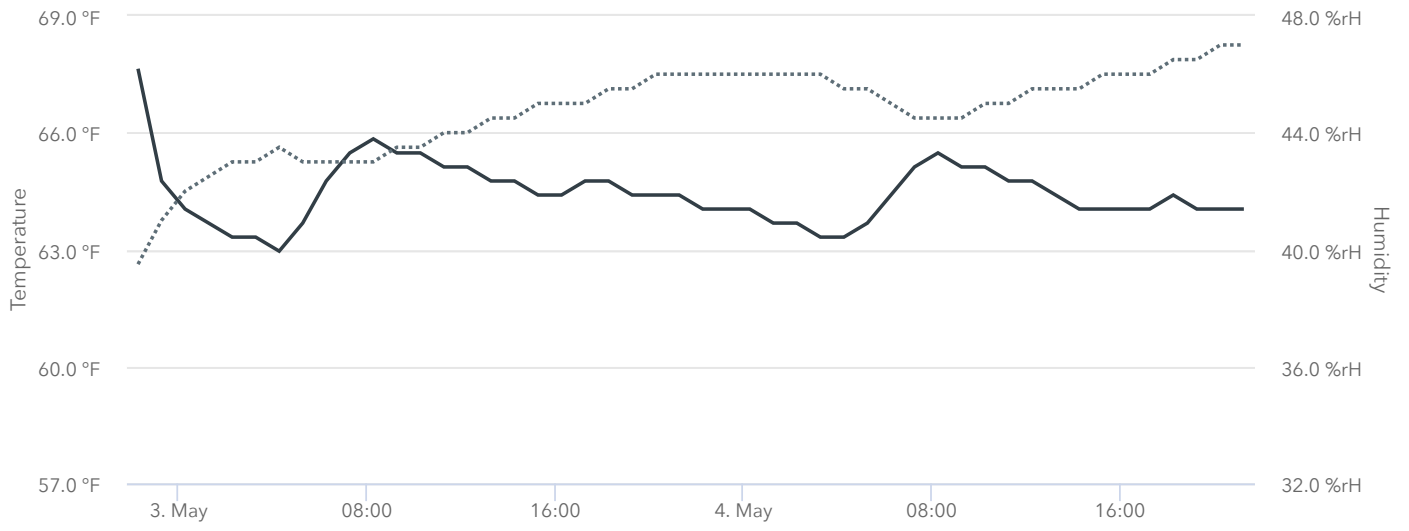
— Radon Level

.... Atmospheric Pressure



### TEMPERATURE & HUMIDITY GRAPHS

— Temperature  
.... Humidity



## HOURLY MEASUREMENT DATA



**Note :** Measurements are offset by 1 hour from the start of the test. (The first hour will read 3:00 for a 2:00 start time).

	DATE & TIME	RADON	AIR PRESSURE	TEMPERATURE	HUMIDITY
1	2022-05-02, 10:16 p.m. CDT	0.4 pCi/L	28.6317 inHg	67.6 °F	39.5 %rH
2	2022-05-02, 11:16 p.m. CDT	1.7 pCi/L	28.6376 inHg	64.8 °F	41.0 %rH
3	2022-05-03, 12:16 a.m. CDT	1.9 pCi/L	28.6394 inHg	64.0 °F	42.0 %rH
4	2022-05-03, 1:16 a.m. CDT	1.9 pCi/L	28.6423 inHg	63.7 °F	42.5 %rH
5	2022-05-03, 2:16 a.m. CDT	3.0 pCi/L	28.6388 inHg	63.3 °F	43.0 %rH
6	2022-05-03, 3:16 a.m. CDT	2.2 pCi/L	28.6252 inHg	63.3 °F	43.0 %rH
7	2022-05-03, 4:16 a.m. CDT	3.3 pCi/L	28.6335 inHg	63.0 °F	43.5 %rH
8	2022-05-03, 5:16 a.m. CDT	2.4 pCi/L	28.6547 inHg	63.7 °F	43.0 %rH
9	2022-05-03, 6:16 a.m. CDT	3.7 pCi/L	28.6742 inHg	64.8 °F	43.0 %rH
10	2022-05-03, 7:16 a.m. CDT	1.1 pCi/L	28.6778 inHg	65.5 °F	43.0 %rH
11	2022-05-03, 8:16 a.m. CDT	3.1 pCi/L	28.6884 inHg	65.8 °F	43.0 %rH
12	2022-05-03, 9:16 a.m. CDT	2.2 pCi/L	28.6943 inHg	65.5 °F	43.5 %rH
13	2022-05-03, 10:16 a.m. CDT	2.6 pCi/L	28.6943 inHg	65.5 °F	43.5 %rH
14	2022-05-03, 11:16 a.m. CDT	2.2 pCi/L	28.6884 inHg	65.1 °F	44.0 %rH
15	2022-05-03, 12:16 p.m. CDT	2.2 pCi/L	28.6913 inHg	65.1 °F	44.0 %rH
16	2022-05-03, 1:16 p.m. CDT	2.2 pCi/L	28.6884 inHg	64.8 °F	44.5 %rH
17	2022-05-03, 2:16 p.m. CDT	2.6 pCi/L	28.6813 inHg	64.8 °F	44.5 %rH
18	2022-05-03, 3:16 p.m. CDT	2.6 pCi/L	28.6849 inHg	64.4 °F	45.0 %rH
19	2022-05-03, 4:16 p.m. CDT	2.2 pCi/L	28.6984 inHg	64.4 °F	45.0 %rH
20	2022-05-03, 5:16 p.m. CDT	1.8 pCi/L	28.7002 inHg	64.8 °F	45.0 %rH
21	2022-05-03, 6:16 p.m. CDT	2.0 pCi/L	28.6973 inHg	64.8 °F	45.5 %rH
22	2022-05-03, 7:16 p.m. CDT	2.6 pCi/L	28.7049 inHg	64.4 °F	45.5 %rH
23	2022-05-03, 8:16 p.m. CDT	3.5 pCi/L	28.7179 inHg	64.4 °F	46.0 %rH
24	2022-05-03, 9:16 p.m. CDT	3.3 pCi/L	28.7185 inHg	64.4 °F	46.0 %rH
25	2022-05-03, 10:16 p.m. CDT	3.3 pCi/L	28.7345 inHg	64.0 °F	46.0 %rH
26	2022-05-03, 11:16 p.m. CDT	3.7 pCi/L	28.7445 inHg	64.0 °F	46.0 %rH
27	2022-05-04, 12:16 a.m. CDT	1.3 pCi/L	28.7593 inHg	64.0 °F	46.0 %rH
28	2022-05-04, 1:16 a.m. CDT	3.5 pCi/L	28.7681 inHg	63.7 °F	46.0 %rH
29	2022-05-04, 2:16 a.m. CDT	1.8 pCi/L	28.7723 inHg	63.7 °F	46.0 %rH
30	2022-05-04, 3:16 a.m. CDT	1.8 pCi/L	28.7675 inHg	63.3 °F	46.0 %rH
31	2022-05-04, 4:16 a.m. CDT	2.4 pCi/L	28.7711 inHg	63.3 °F	45.5 %rH
32	2022-05-04, 5:16 a.m. CDT	3.7 pCi/L	28.7894 inHg	63.7 °F	45.5 %rH

33	2022-05-04, 6:16 a.m. CDT	3.5 pCi/L	28.7965 inHg	64.4 °F	45.0 %rH
34	2022-05-04, 7:16 a.m. CDT	1.8 pCi/L	28.8095 inHg	65.1 °F	44.5 %rH
35	2022-05-04, 8:16 a.m. CDT	2.2 pCi/L	28.8219 inHg	65.5 °F	44.5 %rH
36	2022-05-04, 9:16 a.m. CDT	1.1 pCi/L	28.8284 inHg	65.1 °F	44.5 %rH
37	2022-05-04, 10:16 a.m. CDT	3.8 pCi/L	28.8295 inHg	65.1 °F	45.0 %rH
38	2022-05-04, 11:16 a.m. CDT	1.8 pCi/L	28.8207 inHg	64.8 °F	45.0 %rH
39	2022-05-04, 12:16 p.m. CDT	3.1 pCi/L	28.8101 inHg	64.8 °F	45.5 %rH
40	2022-05-04, 1:16 p.m. CDT	2.0 pCi/L	28.7977 inHg	64.4 °F	45.5 %rH
41	2022-05-04, 2:16 p.m. CDT	4.2 pCi/L	28.7823 inHg	64.0 °F	45.5 %rH
42	2022-05-04, 3:16 p.m. CDT	3.7 pCi/L	28.7628 inHg	64.0 °F	46.0 %rH
43	2022-05-04, 4:16 p.m. CDT	3.1 pCi/L	28.7498 inHg	64.0 °F	46.0 %rH
44	2022-05-04, 5:16 p.m. CDT	2.6 pCi/L	28.7398 inHg	64.0 °F	46.0 %rH
45	2022-05-04, 6:16 p.m. CDT	2.4 pCi/L	28.7404 inHg	64.4 °F	46.5 %rH
46	2022-05-04, 7:16 p.m. CDT	0.2 pCi/L	28.7345 inHg	64.0 °F	46.5 %rH
47	2022-05-04, 8:16 p.m. CDT	1.8 pCi/L	28.7368 inHg	64.0 °F	47.0 %rH
48	2022-05-04, 9:16 p.m. CDT	2.0 pCi/L	28.7415 inHg	64.0 °F	47.0 %rH

## TEST INFORMATION



Average Radon Level:	2.4 pCi/L
Dataset Name:	Armstrong
Measurement Type:	Real-Estate Transaction
Start Date:	May 2, 2022, 9:16 p.m. CDT
End Date:	May 4, 2022, 9:16 p.m. CDT
Measurement Duration:	48h
Floor/Level:	Basement
Room:	Basement
Comment:	No comments documented.

## TEMPORARY CONDITIONS & DEVIATIONS FROM PROTOCOL



Temporary Conditions:	None documented.
Deviations from Protocol:	None documented.

## Recommended Actions

### ≥2.0 AND <4.0 pCi/L - W/O MITIGATION SYSTEM

The measured average radon level is below the Environmental Protection Agency (EPA) Action Level of 4.0 pCi/L. However, since the measured average radon level is at least half the Action Level, the EPA suggests that homeowners consider having a radon mitigation system installed. The EPA recommends having this building retested at least once every 5 years to determine if a radon mitigation system is recommended at a later date since radon levels can change over time. If a radon mitigation system is installed, the EPA recommends having this building retested at least once every 2 years to ensure the system remains effective. Performing follow-up tests during the heating season is recommended since this is when radon levels tend to be the highest. A 12-month long test, or continuous monitoring, will most accurately reflect radon exposure throughout the year.

### MONITOR INFORMATION



Serial Number:	2700013975
Calibration Date:	2022-05-02
Calibration Expiration Date:	2023-05-02
Manufacturer:	Airthings
Model:	Corentium Pro
Noninterference Controls:	Corentium Pro uses a motion sensor to detect movement of the monitor during the measurement. It also records hourly temperature, humidity, and atmospheric pressure data to detect if closed-building conditions may have been broken during the measurement.

### TIME REPORT WAS GENERATED



Unique Report ID:	2700013975-2022-05-03T03:16:02Z
Date Report Was Generated:	2022-05-05
Time:	3:01 a.m. CDT

### RADON PROFESSIONAL INFORMATION



Name:	Mark Armstrong
Email address:	armstronghomeinspectionsvc@gmail.com
Phone number:	218-390-2166

**STATEMENT OF LIMITATIONS**

There is an uncertainty with any radon measurement result due to statistical variations in radiation, and other factors such as conditions which change daily and seasonally which can cause variations in indoor radon levels. These conditions can change based on the weather, the use or disuse of appliances, systems, and components of the structure, tampering with the radon test, or failure to comply with the closed-building conditions necessary for a valid radon measurement result.

**ADDITIONAL RADON INFORMATION**

For further information regarding your radon measurement report, radon exposure risk, a radon professional, or to obtain a list of certified radon measurement and mitigation professionals in your area, contact your jurisdiction's Department of Health.

**RADON PROFESSIONAL'S SIGNATURE**

This report is certified by Mark Armstrong.

*Mark Armstrong*

2022-05-05

Electronic Signature