

# Radon Measurement Report



## MEASUREMENT SUMMARY



LEVEL OF RADON

MINIMUM  
0.0 pCi/L

AVERAGE  
0.3 pCi/L

MAXIMUM  
0.8 pCi/L



TEMPERATURE

MINIMUM  
58.3 °F

AVERAGE  
60.5 °F

MAXIMUM  
63.0 °F



HUMIDITY

MINIMUM  
43.0 %rH

AVERAGE  
44.9 %rH

MAXIMUM  
46.0 %rH



ATMOSPHERIC PRESSURE

MINIMUM  
29.5684 inHg

AVERAGE  
29.7233 inHg

MAXIMUM  
29.8430 inHg

## Recommended Actions

### <4.0 pCi/L - W/ MITIGATION SYSTEM

The average measured radon level is below the Environmental Protection Agency (EPA) Action Level of 4.0 pCi/L. The installed radon mitigation system(s) appear to be effectively lowering the concentration of indoor radon. The EPA recommends having the 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.

## PROPERTY INFORMATION



Address:	474 Dusty Brook Drive, O'Fallon, Missouri 63366, United States
Building Year:	2020
Ventilation Type:	None
Building Type:	House
Foundation Type:	Basement Foundation
Radon Mitigation System:	Active

## TEST INFORMATION



Average Radon Level:	0.3 pCi/L
Dataset Name:	474 Dusty Brook Dr
Measurement Type:	Post-Mitigation
Start Date:	Feb 6, 2021, 11:45 a.m. CST
End Date:	Feb 8, 2021, 11:45 a.m. CST
Measurement Duration:	48h
Floor/Level:	Basement
Room:	Basement
Comment:	No comments documented.

## TEMPORARY CONDITIONS & DEVIATIONS FROM PROTOCOL



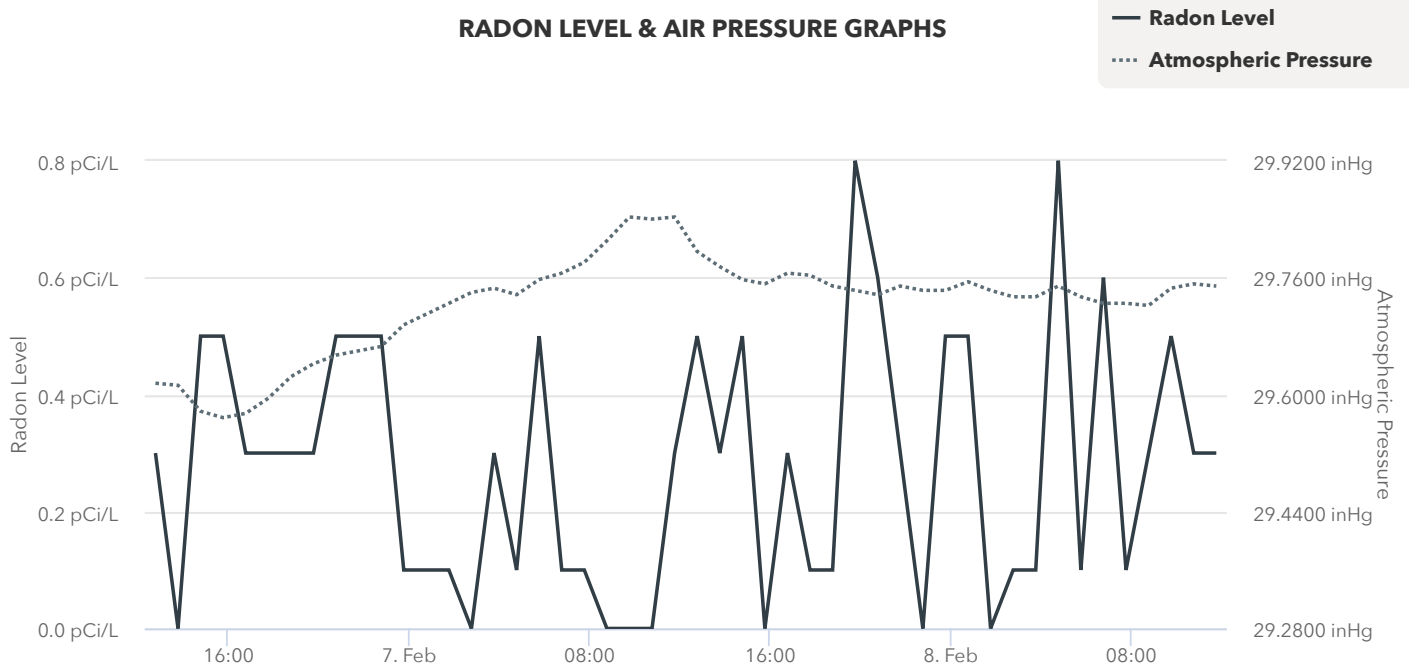
Temporary Conditions:	None documented.
Deviations from Protocol:	None documented.

## MONITOR INFORMATION

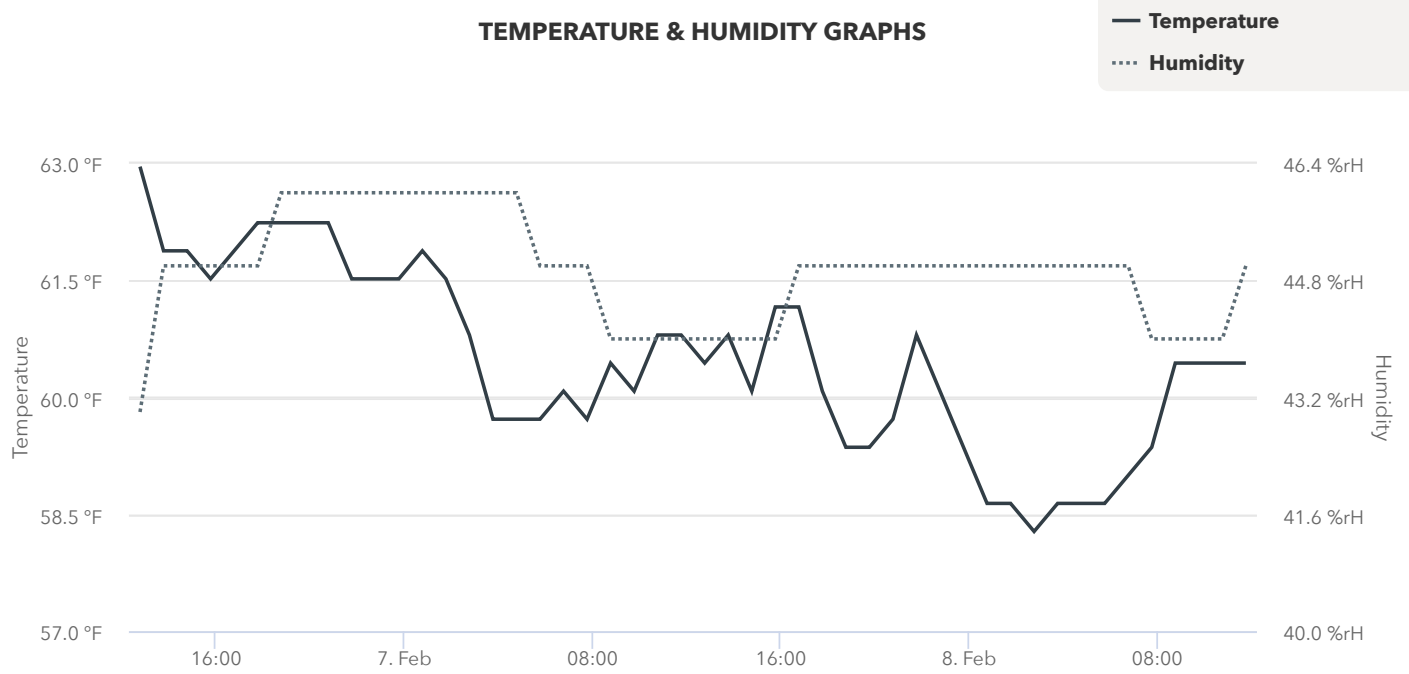


Serial Number:	2700006393
Calibration Date:	2020-08-31
Calibration Expiration Date:	2021-08-31
Manufacturer:	Airthings
Model:	Corentium Pro
Noninterference Controls:	Corentium Pro uses a motion sensor to detect movement of the monitor during the measurement. It also records hourly temperature, humidity, and atmospheric pressure data to detect if closed-building conditions may have been broken during the measurement.

### RADON LEVEL & AIR PRESSURE GRAPHS



### TEMPERATURE & HUMIDITY GRAPHS



## 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	2021-02-06, 12:45 p.m. CST	0.3 pCi/L	29.6156 inHg	63.0 °F	43.0 %rH
2	2021-02-06, 1:45 p.m. CST	0.0 pCi/L	29.6127 inHg	61.9 °F	45.0 %rH
3	2021-02-06, 2:45 p.m. CST	0.5 pCi/L	29.5772 inHg	61.9 °F	45.0 %rH
4	2021-02-06, 3:45 p.m. CST	0.5 pCi/L	29.5684 inHg	61.5 °F	45.0 %rH
5	2021-02-06, 4:45 p.m. CST	0.3 pCi/L	29.5743 inHg	61.9 °F	45.0 %rH
6	2021-02-06, 5:45 p.m. CST	0.3 pCi/L	29.5950 inHg	62.2 °F	45.0 %rH
7	2021-02-06, 6:45 p.m. CST	0.3 pCi/L	29.6245 inHg	62.2 °F	46.0 %rH
8	2021-02-06, 7:45 p.m. CST	0.3 pCi/L	29.6422 inHg	62.2 °F	46.0 %rH
9	2021-02-06, 8:45 p.m. CST	0.5 pCi/L	29.6540 inHg	62.2 °F	46.0 %rH
10	2021-02-06, 9:45 p.m. CST	0.5 pCi/L	29.6599 inHg	61.5 °F	46.0 %rH
11	2021-02-06, 10:45 p.m. CST	0.5 pCi/L	29.6658 inHg	61.5 °F	46.0 %rH
12	2021-02-06, 11:45 p.m. CST	0.1 pCi/L	29.6954 inHg	61.5 °F	46.0 %rH
13	2021-02-07, 12:45 a.m. CST	0.1 pCi/L	29.7101 inHg	61.9 °F	46.0 %rH
14	2021-02-07, 1:45 a.m. CST	0.1 pCi/L	29.7249 inHg	61.5 °F	46.0 %rH
15	2021-02-07, 2:45 a.m. CST	0.0 pCi/L	29.7397 inHg	60.8 °F	46.0 %rH
16	2021-02-07, 3:45 a.m. CST	0.3 pCi/L	29.7456 inHg	59.7 °F	46.0 %rH
17	2021-02-07, 4:45 a.m. CST	0.1 pCi/L	29.7367 inHg	59.7 °F	46.0 %rH
18	2021-02-07, 5:45 a.m. CST	0.5 pCi/L	29.7574 inHg	59.7 °F	45.0 %rH
19	2021-02-07, 6:45 a.m. CST	0.1 pCi/L	29.7662 inHg	60.1 °F	45.0 %rH
20	2021-02-07, 7:45 a.m. CST	0.1 pCi/L	29.7810 inHg	59.7 °F	45.0 %rH
21	2021-02-07, 8:45 a.m. CST	0.0 pCi/L	29.8105 inHg	60.4 °F	44.0 %rH
22	2021-02-07, 9:45 a.m. CST	0.0 pCi/L	29.8430 inHg	60.1 °F	44.0 %rH
23	2021-02-07, 10:45 a.m. CST	0.0 pCi/L	29.8401 inHg	60.8 °F	44.0 %rH
24	2021-02-07, 11:45 a.m. CST	0.3 pCi/L	29.8430 inHg	60.8 °F	44.0 %rH
25	2021-02-07, 12:45 p.m. CST	0.5 pCi/L	29.7958 inHg	60.4 °F	44.0 %rH
26	2021-02-07, 1:45 p.m. CST	0.3 pCi/L	29.7751 inHg	60.8 °F	44.0 %rH
27	2021-02-07, 2:45 p.m. CST	0.5 pCi/L	29.7574 inHg	60.1 °F	44.0 %rH
28	2021-02-07, 3:45 p.m. CST	0.0 pCi/L	29.7515 inHg	61.2 °F	44.0 %rH
29	2021-02-07, 4:45 p.m. CST	0.3 pCi/L	29.7662 inHg	61.2 °F	45.0 %rH
30	2021-02-07, 5:45 p.m. CST	0.1 pCi/L	29.7633 inHg	60.1 °F	45.0 %rH
31	2021-02-07, 6:45 p.m. CST	0.1 pCi/L	29.7485 inHg	59.4 °F	45.0 %rH
32	2021-02-07, 7:45 p.m. CST	0.8 pCi/L	29.7426 inHg	59.4 °F	45.0 %rH

33	2021-02-07, 8:45 p.m. CST	0.6 pCi/L	29.7367 inHg	59.7 °F	45.0 %rH
34	2021-02-07, 9:45 p.m. CST	0.3 pCi/L	29.7485 inHg	60.8 °F	45.0 %rH
35	2021-02-07, 10:45 p.m. CST	0.0 pCi/L	29.7426 inHg	60.1 °F	45.0 %rH
36	2021-02-07, 11:45 p.m. CST	0.5 pCi/L	29.7426 inHg	59.4 °F	45.0 %rH
37	2021-02-08, 12:45 a.m. CST	0.5 pCi/L	29.7544 inHg	58.6 °F	45.0 %rH
38	2021-02-08, 1:45 a.m. CST	0.0 pCi/L	29.7426 inHg	58.6 °F	45.0 %rH
39	2021-02-08, 2:45 a.m. CST	0.1 pCi/L	29.7338 inHg	58.3 °F	45.0 %rH
40	2021-02-08, 3:45 a.m. CST	0.1 pCi/L	29.7338 inHg	58.6 °F	45.0 %rH
41	2021-02-08, 4:45 a.m. CST	0.8 pCi/L	29.7485 inHg	58.6 °F	45.0 %rH
42	2021-02-08, 5:45 a.m. CST	0.1 pCi/L	29.7338 inHg	58.6 °F	45.0 %rH
43	2021-02-08, 6:45 a.m. CST	0.6 pCi/L	29.7249 inHg	59.0 °F	45.0 %rH
44	2021-02-08, 7:45 a.m. CST	0.1 pCi/L	29.7249 inHg	59.4 °F	44.0 %rH
45	2021-02-08, 8:45 a.m. CST	0.3 pCi/L	29.7219 inHg	60.4 °F	44.0 %rH
46	2021-02-08, 9:45 a.m. CST	0.5 pCi/L	29.7456 inHg	60.4 °F	44.0 %rH
47	2021-02-08, 10:45 a.m. CST	0.3 pCi/L	29.7515 inHg	60.4 °F	44.0 %rH
48	2021-02-08, 11:45 a.m. CST	0.3 pCi/L	29.7485 inHg	60.4 °F	45.0 %rH

## TIME REPORT WAS GENERATED



Unique Report ID: 2700006393-2021-02-06T18:45:49Z  
Date Report Was Generated: 2022-04-12  
Time: 7:27 a.m. CDT

## 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. This test represents the average radon concentration at the time the sampling was conducted and at the specific location within the house with which results of this report are based upon a short-term test and are not to be interpreted as a measure of the annual average or of the actual occupant exposure or health risk. The procedures used for generating this report are in accordance with 32 Illinois Administrative Code 422. Checks and verifications are included in our procedures to assure quality and accuracy of our tests, however, we cannot be assured that the necessary closed-building conditions were maintained throughout the test period.

## 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 INFORMATION



Name: Zachary Knoblauch  
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Phone number: 6366143234

## COMPANY INFORMATION



Name: Rigid Inspections, LLC  
Phone Number: 6366143234  
Email: info@rigidinspections.com  
Address: 474 Dusty Brook Dr, O'Fallon, MO 63366, USA

## CERTIFICATIONS

Name:	Number:	Expiration Date:
Illinois Radon Professional License	RNI 2020221	10/31/2025
Name:	Number:	Expiration Date:
NRPP Certified	#111537-RT	12/31/2022

## RADON PROFESSIONAL'S SIGNATURE

This report is certified by Zachary Knoblauch.

*Zachary Knoblauch*

Electronic Signature

2022-04-12  
O'fallon