

# Radon Measurement Report



## COMPANY INFORMATION



Name: First Class Home Inspections, LLC  
Phone Number: 5706609337  
Email: robbie@firstclass-homeinspections.com  
Street Address: 119 Old Ridge Road  
City: Archbald  
State/Province/Territory: Pennsylvania  
Postal/ZIP code: 18403  
Country: United States

## CERTIFICATIONS & LICENSES

Name: AARST/NRPP-INACHI-1 ADVANCED RADON MEASUREMENT SERVICE PROVIDER COURSE  
Number: Edu-0001-5926-32  
Expiration Date: 03/31/2023

INSERT PA DEP LICENSE # HERE

## PROPERTY INFORMATION



Street Name: 119 Old Ridge Road  
City: Archbald  
State/Province/Territory: Pennsylvania  
Postal/ZIP Code: 18403  
Country: United States  
Ventilation Type: None  
Building Type: House

## MEASUREMENT SUMMARY

### RADON LEVEL

6.6 pCi/L

MINIMUM

14.7 pCi/L

AVERAGE

29.0 pCi/L

MAXIMUM

### ATMOSPHERIC PRESSURE

97.7800 kPa

MINIMUM

98.0994 kPa

AVERAGE

98.3700 kPa

MAXIMUM

### TEMPERATURE

64.8 °F

MINIMUM

67.3 °F

AVERAGE

69.8 °F

MAXIMUM

### HUMIDITY

38.0 %rH

MINIMUM

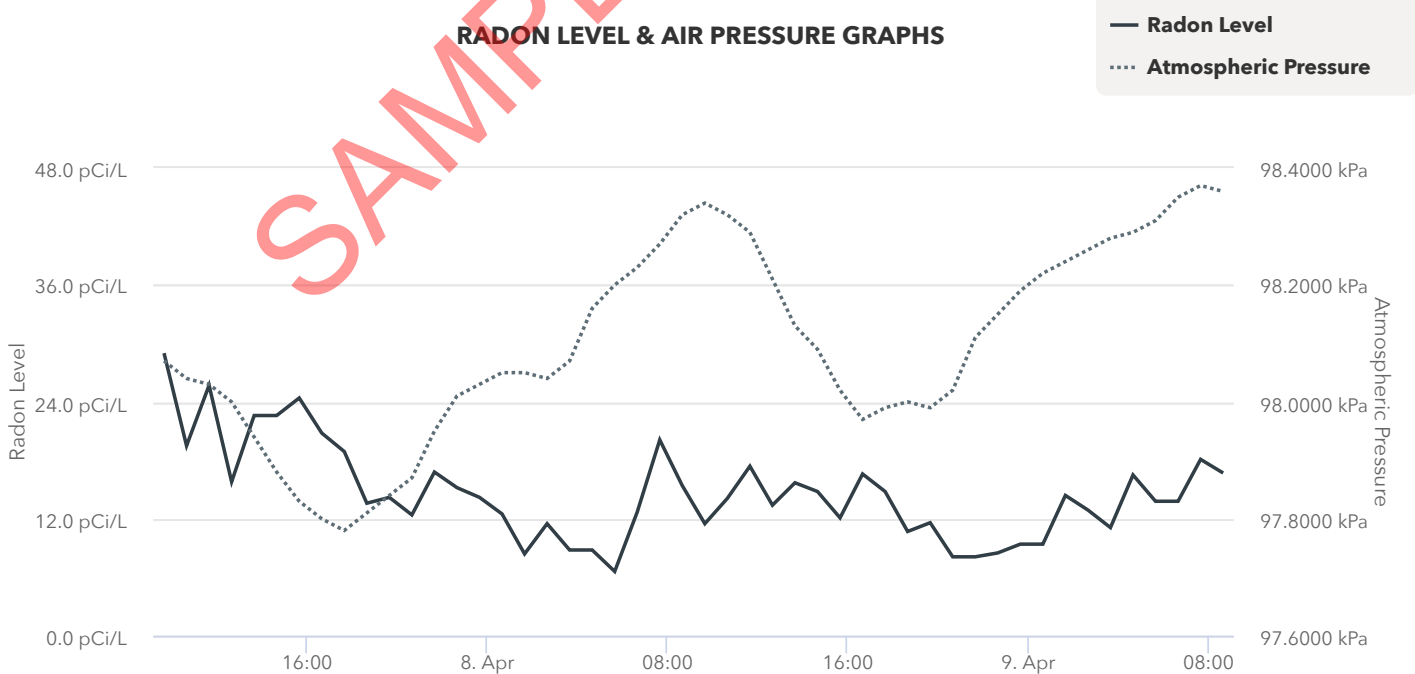
40.3 %rH

AVERAGE

45.0 %rH

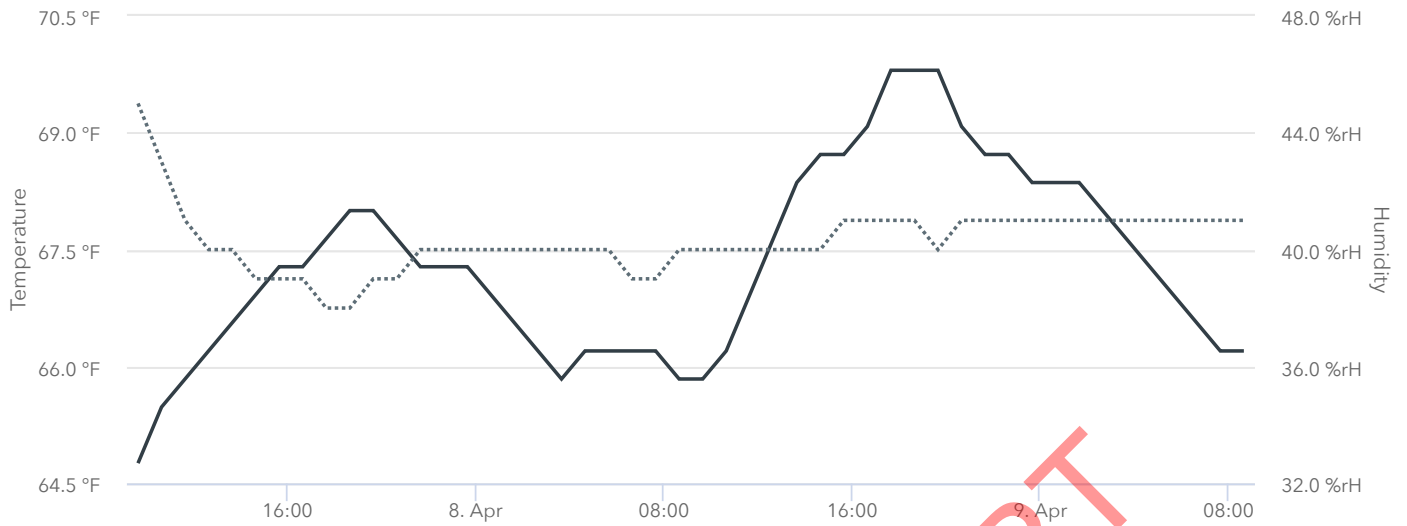
MAXIMUM

### RADON LEVEL & AIR PRESSURE GRAPHS



### 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	2021-04-07, 9:38 a.m.	29.0 pCi/L	98.0700 kPa	64.8 °F	45.0 %rH
2	2021-04-07, 10:38 a.m.	19.5 pCi/L	98.0400 kPa	65.5 °F	43.0 %rH
3	2021-04-07, 11:38 a.m.	25.7 pCi/L	98.0300 kPa	65.8 °F	41.0 %rH
4	2021-04-07, 12:38 p.m.	15.8 pCi/L	98.0000 kPa	66.2 °F	40.0 %rH
5	2021-04-07, 1:38 p.m.	22.6 pCi/L	97.9400 kPa	66.6 °F	40.0 %rH
6	2021-04-07, 2:38 p.m.	22.6 pCi/L	97.8800 kPa	66.9 °F	39.0 %rH
7	2021-04-07, 3:38 p.m.	24.4 pCi/L	97.8300 kPa	67.3 °F	39.0 %rH
8	2021-04-07, 4:38 p.m.	20.8 pCi/L	97.8000 kPa	67.3 °F	39.0 %rH
9	2021-04-07, 5:38 p.m.	18.9 pCi/L	97.7800 kPa	67.6 °F	38.0 %rH
10	2021-04-07, 6:38 p.m.	13.6 pCi/L	97.8100 kPa	68.0 °F	38.0 %rH
11	2021-04-07, 7:38 p.m.	14.2 pCi/L	97.8400 kPa	68.0 °F	39.0 %rH
12	2021-04-07, 8:38 p.m.	12.4 pCi/L	97.8700 kPa	67.6 °F	39.0 %rH
13	2021-04-07, 9:38 p.m.	16.8 pCi/L	97.9500 kPa	67.3 °F	40.0 %rH

14	2021-04-07, 10:38 p.m.	15.2 pCi/L	98.0100 kPa	67.3 °F	40.0 %rH
15	2021-04-07, 11:38 p.m.	14.2 pCi/L	98.0300 kPa	67.3 °F	40.0 %rH
16	2021-04-08, 12:38 a.m.	12.5 pCi/L	98.0500 kPa	66.9 °F	40.0 %rH
17	2021-04-08, 1:38 a.m.	8.4 pCi/L	98.0500 kPa	66.6 °F	40.0 %rH
18	2021-04-08, 2:38 a.m.	11.5 pCi/L	98.0400 kPa	66.2 °F	40.0 %rH
19	2021-04-08, 3:38 a.m.	8.8 pCi/L	98.0700 kPa	65.8 °F	40.0 %rH
20	2021-04-08, 4:38 a.m.	8.8 pCi/L	98.1600 kPa	66.2 °F	40.0 %rH
21	2021-04-08, 5:38 a.m.	6.6 pCi/L	98.2000 kPa	66.2 °F	40.0 %rH
22	2021-04-08, 6:38 a.m.	12.7 pCi/L	98.2300 kPa	66.2 °F	39.0 %rH
23	2021-04-08, 7:38 a.m.	20.1 pCi/L	98.2700 kPa	66.2 °F	39.0 %rH
24	2021-04-08, 8:38 a.m.	15.4 pCi/L	98.3200 kPa	65.8 °F	40.0 %rH
25	2021-04-08, 9:38 a.m.	11.5 pCi/L	98.3400 kPa	65.8 °F	40.0 %rH
26	2021-04-08, 10:38 a.m.	14.1 pCi/L	98.3200 kPa	66.2 °F	40.0 %rH
27	2021-04-08, 11:38 a.m.	17.4 pCi/L	98.2900 kPa	66.9 °F	40.0 %rH
28	2021-04-08, 12:38 p.m.	13.4 pCi/L	98.2100 kPa	67.6 °F	40.0 %rH
29	2021-04-08, 1:38 p.m.	15.7 pCi/L	98.1300 kPa	68.4 °F	40.0 %rH
30	2021-04-08, 2:38 p.m.	14.8 pCi/L	98.0900 kPa	68.7 °F	40.0 %rH
31	2021-04-08, 3:38 p.m.	12.1 pCi/L	98.0200 kPa	68.7 °F	41.0 %rH
32	2021-04-08, 4:38 p.m.	16.6 pCi/L	97.9700 kPa	69.1 °F	41.0 %rH
33	2021-04-08, 5:38 p.m.	14.8 pCi/L	97.9900 kPa	69.8 °F	41.0 %rH
34	2021-04-08, 6:38 p.m.	10.7 pCi/L	98.0000 kPa	69.8 °F	41.0 %rH
35	2021-04-08, 7:38 p.m.	11.6 pCi/L	97.9900 kPa	69.8 °F	40.0 %rH
36	2021-04-08, 8:38 p.m.	8.1 pCi/L	98.0200 kPa	69.1 °F	41.0 %rH
37	2021-04-08, 9:38 p.m.	8.1 pCi/L	98.1100 kPa	68.7 °F	41.0 %rH
38	2021-04-08, 10:38 p.m.	8.5 pCi/L	98.1500 kPa	68.7 °F	41.0 %rH
39	2021-04-08, 11:38 p.m.	9.4 pCi/L	98.1900 kPa	68.4 °F	41.0 %rH
40	2021-04-09, 12:38 a.m.	9.4 pCi/L	98.2200 kPa	68.4 °F	41.0 %rH

41	2021-04-09, 1:38 a.m.	14.4 pCi/L	98.2400 kPa	68.4 °F	41.0 %rH
42	2021-04-09, 2:38 a.m.	12.9 pCi/L	98.2600 kPa	68.0 °F	41.0 %rH
43	2021-04-09, 3:38 a.m.	11.1 pCi/L	98.2800 kPa	67.6 °F	41.0 %rH
44	2021-04-09, 4:38 a.m.	16.5 pCi/L	98.2900 kPa	67.3 °F	41.0 %rH
45	2021-04-09, 5:38 a.m.	13.8 pCi/L	98.3100 kPa	66.9 °F	41.0 %rH
46	2021-04-09, 6:38 a.m.	13.8 pCi/L	98.3500 kPa	66.6 °F	41.0 %rH
47	2021-04-09, 7:38 a.m.	18.1 pCi/L	98.3700 kPa	66.2 °F	41.0 %rH
48	2021-04-09, 8:38 a.m.	16.7 pCi/L	98.3600 kPa	66.2 °F	41.0 %rH

### TEST INFORMATION

Average Radon Level:	14.7 pCi/L
Dataset Name	Risley test first floor cp1
Start Date:	Apr. 7, 2021, 8:38 a.m.
End Date:	Apr. 9, 2021, 8:38 a.m.
Measurement Duration:	48h
Floor/Level:	Ground Floor
Room:	Basement
Comment:	No comments documented.

### TEMPORARY CONDITIONS & DEVIATIONS FROM PROTOCOL

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

## Recommended Actions

## ≥4.0 pCi/L - W/ MITIGATION SYSTEM

The average measured radon level is at or above the Environmental Protection Agency (EPA) Action Level of 4.0 pCi/L. The installed radon mitigation system(s) is NOT effectively lowering the concentration of indoor radon. The system could be damaged, the fan may need to be replaced, or the influx of radon may be greater than the system is capable of handling. We recommend having the system inspected and repaired by a well-qualified radon mitigation contractor. 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.

## MONITOR INFORMATION



Serial Number:	2700011543
Calibration Date:	2021-03-04
Calibration Expiration Date:	2022-03-04
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:	2700011543-2021-04-07T13:38:50Z
Date Report Was Generated:	2021-04-09
Time:	1:22 p.m.

## RADON PROFESSIONAL INFORMATION



Name:	Robbie Risley II
Email address:	robbie@firstclass-homeinspections.com
Phone number:	5706609337

## 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.

## NOTICE TO CLIENT

### Radon Health Risk Information

Radon is the second leading cause of lung cancer, after smoking. 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 National average indoor radon level is about 1.3 pCi/L. The higher the home's radon level the greater the health risk to you and your family. Reducing your radon levels can be done easily, effectively and fairly inexpensively. Even homes with very high radon levels can be reduced below 4.0 pCi/L. For further information about reducing elevated radon levels, please refer to the "Pennsylvania Consumers Guide to Radon Reduction."

### NOTICE

THE RADON CERTIFICATION ACT REQUIRES THAT ANYONE WHO PERFORMS RADON TESTING, MITIGATION, OR LABORATORY ANALYSIS ACTIVITIES MUST BE CERTIFIED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION. ANY PERSON PROVIDING THESE RADON SERVICES SHALL PRESENT TO THE CLIENT A CURRENT DEP-ISSUED PHOTO IDENTIFICATION CARD UPON REQUEST. IF YOU HAVE ANY QUESTIONS, YOU MAY CONTACT DEP AT THE BUREAU OF RADIATION PROTECTION, DEPARTMENT OF ENVIRONMENTAL PROTECTION, P.O. BOX 8469, HARRISBURG, PA., 17105-8469, (717) 783-3549

**RADON PROFESSIONAL'S SIGNATURE** This report is certified by Robbie Risley II,  
under PA DEP License \_\_\_\_\_.

*Robbie Risley II*

Electronic Signature

2021-04-09  
Archbald, PA