Radon Measurement Report

COMPANY INFORMATION

Name:	Blue Owl Home Inspection
Phone Number:	9788524840
Email:	rayphill@verizon.net
Street Address:	40 Whispering Pine Road
City:	Sudbury
State/Province/Territory:	Massachusetts
Postal/ZIP code:	01776
Country:	United States

CERTIFICATIONS

Name:	Number:	Expiration Date:
Massachusetts Home Inspector	1081	10/30/2020

PROPERTY INFORMATION

Street Name:	40 Whispering Pine Rd
City:	Sudbury
State/Province/Territory:	MA
Postal/ZIP Code:	01776
Country:	United States

MEASUREMENT SUMMARY

RADON LEVEL

0.0 pCi/L	1.1 pCi/L	2.8 pCi/L
MINIMUM	AVERAGE	MAXIMUM

HUMIDITY

51.0 %rH	55.1 %rH	59.0 %rH
MINIMUM	AVERAGE	MAXIMUM

TEMPERATURE

69.8 °F	71.3 °F	72.3 °F
MINIMUM	AVERAGE	MAXIMUM

ATMOSPHERIC PRESSURE

101.0700 kPa	101.5608 kPa	102.2600 kPa
MINIMUM	AVERAGE	MAXIMUM

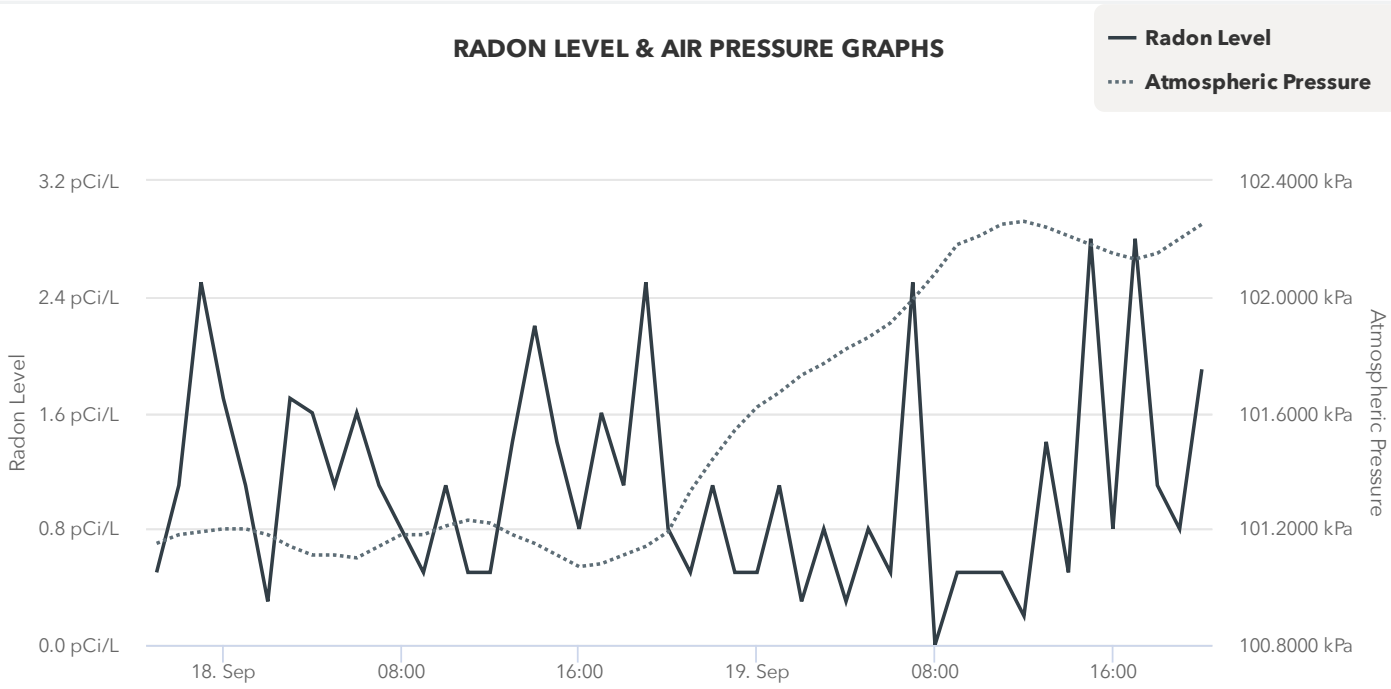
TAMPERING EVENTS

Motion events occurred at the following times:

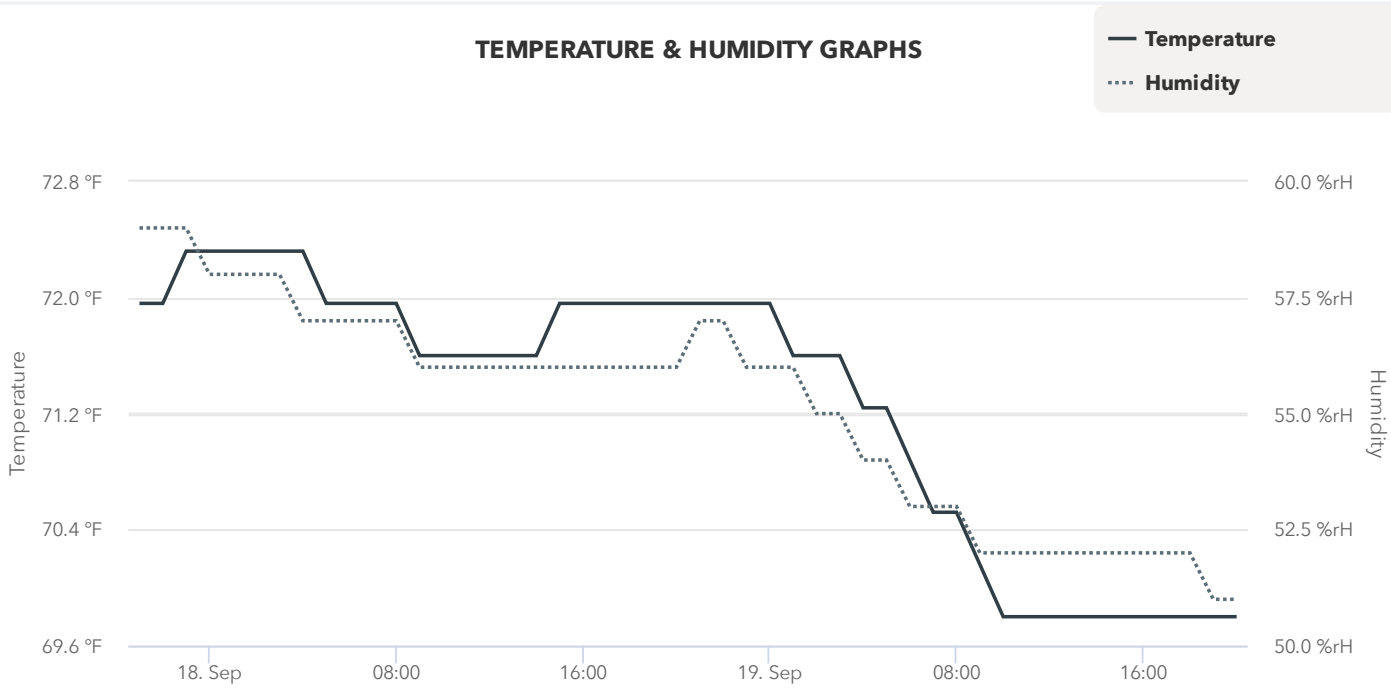
2020-09-18

8:59 A.M.

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	HUMIDITY	TEMPERATURE	AIR PRESSURE
1	2020-09-17, 8:59 p.m.	**0.5 pCi/L**	**59.0 %rH**	**72.0 °F**	**101.1500 kPa**
2	2020-09-17, 9:59 p.m.	**1.1 pCi/L**	**59.0 %rH**	**72.0 °F**	**101.1800 kPa**
3	2020-09-17, 10:59 p.m.	**2.5 pCi/L**	**59.0 %rH**	**72.3 °F**	**101.1900 kPa**
4	2020-09-17, 11:59 p.m.	**1.7 pCi/L**	**58.0 %rH**	**72.3 °F**	**101.2000 kPa**

5	2020-09-18, 12:59 a.m.	**1.1 pCi/L**	**58.0 %rH**	**72.3 °F**	**101.2000 kPa**
6	2020-09-18, 1:59 a.m.	**0.3 pCi/L**	**58.0 %rH**	**72.3 °F**	**101.1800 kPa**
7	2020-09-18, 2:59 a.m.	**1.7 pCi/L**	**58.0 %rH**	**72.3 °F**	**101.1400 kPa**
8	2020-09-18, 3:59 a.m.	**1.6 pCi/L**	**57.0 %rH**	**72.3 °F**	**101.1100 kPa**
9	2020-09-18, 4:59 a.m.	**1.1 pCi/L**	**57.0 %rH**	**72.0 °F**	**101.1100 kPa**
10	2020-09-18, 5:59 a.m.	**1.6 pCi/L**	**57.0 %rH**	**72.0 °F**	**101.1000 kPa**
11	2020-09-18, 6:59 a.m.	**1.1 pCi/L**	**57.0 %rH**	**72.0 °F**	**101.1400 kPa**
12	2020-09-18, 7:59 a.m.	**0.8 pCi/L**	**57.0 %rH**	**72.0 °F**	**101.1800 kPa**
13	2020-09-18, 8:59 a.m.	**0.5 pCi/L**	**56.0 %rH**	**71.6 °F**	**101.1800 kPa**
14	2020-09-18, 9:59 a.m.	**1.1 pCi/L**	**56.0 %rH**	**71.6 °F**	**101.2100 kPa**
15	2020-09-18, 10:59 a.m.	**0.5 pCi/L**	**56.0 %rH**	**71.6 °F**	**101.2300 kPa**
16	2020-09-18, 11:59 a.m.	**0.5 pCi/L**	**56.0 %rH**	**71.6 °F**	**101.2200 kPa**
17	2020-09-18, 12:59 p.m.	**1.4 pCi/L**	**56.0 %rH**	**71.6 °F**	**101.1800 kPa**
18	2020-09-18, 1:59 p.m.	**2.2 pCi/L**	**56.0 %rH**	**71.6 °F**	**101.1500 kPa**
19	2020-09-18, 2:59 p.m.	**1.4 pCi/L**	**56.0 %rH**	**72.0 °F**	**101.1100 kPa**
20	2020-09-18, 3:59 p.m.	**0.8 pCi/L**	**56.0 %rH**	**72.0 °F**	**101.0700 kPa**
21	2020-09-18, 4:59 p.m.	**1.6 pCi/L**	**56.0 %rH**	**72.0 °F**	**101.0800 kPa**
22	2020-09-18, 5:59 p.m.	**1.1 pCi/L**	**56.0 %rH**	**72.0 °F**	**101.1100 kPa**
23	2020-09-18, 6:59 p.m.	**2.5 pCi/L**	**56.0 %rH**	**72.0 °F**	**101.1400 kPa**
24	2020-09-18, 7:59 p.m.	**0.8 pCi/L**	**56.0 %rH**	**72.0 °F**	**101.1900 kPa**
25	2020-09-18, 8:59 p.m.	**0.5 pCi/L**	**57.0 %rH**	**72.0 °F**	**101.3300 kPa**
26	2020-09-18, 9:59 p.m.	**1.1 pCi/L**	**57.0 %rH**	**72.0 °F**	**101.4400 kPa**
27	2020-09-18, 10:59 p.m.	**0.5 pCi/L**	**56.0 %rH**	**72.0 °F**	**101.5400 kPa**
28	2020-09-18, 11:59 p.m.	**0.5 pCi/L**	**56.0 %rH**	**72.0 °F**	**101.6200 kPa**
29	2020-09-19, 12:59 a.m.	**1.1 pCi/L**	**56.0 %rH**	**71.6 °F**	**101.6700 kPa**
30	2020-09-19, 1:59 a.m.	**0.3 pCi/L**	**55.0 %rH**	**71.6 °F**	**101.7300 kPa**
31	2020-09-19, 2:59 a.m.	**0.8 pCi/L**	**55.0 %rH**	**71.6 °F**	**101.7700 kPa**

32	2020-09-19, 3:59 a.m.	**0.3 pCi/L**	**54.0 %rH**	**71.2 °F**	**101.8200 kPa**
33	2020-09-19, 4:59 a.m.	**0.8 pCi/L**	**54.0 %rH**	**71.2 °F**	**101.8600 kPa**
34	2020-09-19, 5:59 a.m.	**0.5 pCi/L**	**53.0 %rH**	**70.9 °F**	**101.9100 kPa**
35	2020-09-19, 6:59 a.m.	**2.5 pCi/L**	**53.0 %rH**	**70.5 °F**	**101.9900 kPa**
36	2020-09-19, 7:59 a.m.	**0.0 pCi/L**	**53.0 %rH**	**70.5 °F**	**102.0800 kPa**
37	2020-09-19, 8:59 a.m.	**0.5 pCi/L**	**52.0 %rH**	**70.2 °F**	**102.1800 kPa**
38	2020-09-19, 9:59 a.m.	**0.5 pCi/L**	**52.0 %rH**	**69.8 °F**	**102.2100 kPa**
39	2020-09-19, 10:59 a.m.	**0.5 pCi/L**	**52.0 %rH**	**69.8 °F**	**102.2500 kPa**
40	2020-09-19, 11:59 a.m.	**0.2 pCi/L**	**52.0 %rH**	**69.8 °F**	**102.2600 kPa**
41	2020-09-19, 12:59 p.m.	**1.4 pCi/L**	**52.0 %rH**	**69.8 °F**	**102.2400 kPa**
42	2020-09-19, 1:59 p.m.	**0.5 pCi/L**	**52.0 %rH**	**69.8 °F**	**102.2100 kPa**
43	2020-09-19, 2:59 p.m.	**2.8 pCi/L**	**52.0 %rH**	**69.8 °F**	**102.1800 kPa**
44	2020-09-19, 3:59 p.m.	**0.8 pCi/L**	**52.0 %rH**	**69.8 °F**	**102.1500 kPa**
45	2020-09-19, 4:59 p.m.	**2.8 pCi/L**	**52.0 %rH**	**69.8 °F**	**102.1300 kPa**
46	2020-09-19, 5:59 p.m.	**1.1 pCi/L**	**52.0 %rH**	**69.8 °F**	**102.1500 kPa**
47	2020-09-19, 6:59 p.m.	**0.8 pCi/L**	**51.0 %rH**	**69.8 °F**	**102.2000 kPa**
48	2020-09-19, 7:59 p.m.	**1.9 pCi/L**	**51.0 %rH**	**69.8 °F**	**102.2500 kPa**

TEST INFORMATION

Average Radon Level:	1.1 pCi/L
Dataset Name	Test 2
Start Date:	Sep. 17, 2020, 7:59 p.m.
End Date:	Sep. 19, 2020, 7:59 p.m.
Measurement Duration:	48h
Floor/Level:	
Room:	
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. Since the measured average radon level is below the EPA Action Level, a secondary follow-up test is not necessary. 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. 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:	**2700009415**
Calibration Expiration Date:	**2021-04-17**
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:	**2700009415-2020-09-18T00:59:56Z**
Date Report Was Generated:	**2020-10-22**
Time:	**1:35 p.m.**

RADON PROFESSIONAL INFORMATION

Name:	**Ray Phillips**
Email address:	**rayphill@verizon.net**
Phone number:	**9788524840**

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 Ray Phillips.

Ray Phillips

Electronic Signature

2020-10-22
Sudbury