

Radon Measurement Report



COMPANY INFORMATION



Name: Certified Radon Test
Phone Number: 970-792-4440
Email: sean@radon.org
Address:

CERTIFICATIONS

Name:	Number:	Expiration Date:
NRPP Radon Measurement Provider	111518-RT	09/30/2022

Name:	Number:	Expiration Date:
NRSB Radon Measurement Specialist	21SS024	05/30/2023

Name:	Number:	Expiration Date:
State of Colorado Radon Measurement Professional	RME.0000246	05/31/2023

PROPERTY INFORMATION



Property Name: Simpson
Address: 500 E. 32nd St. , Loveland, CO 80538, United States
Building Year: 1983
Ventilation Type: None
Building Type: House
Foundation Type: Basement Foundation
Radon Mitigation System: None

MEASUREMENT SUMMARY



LEVEL OF RADON

MINIMUM
10.4 pCi/L

AVERAGE
24.4 pCi/L

MAXIMUM
37.9 pCi/L



TEMPERATURE

MINIMUM
63.7 °F

AVERAGE
64.7 °F

MAXIMUM
65.5 °F



HUMIDITY

MINIMUM
25.0 %rH

AVERAGE
28.2 %rH

MAXIMUM
31.0 %rH



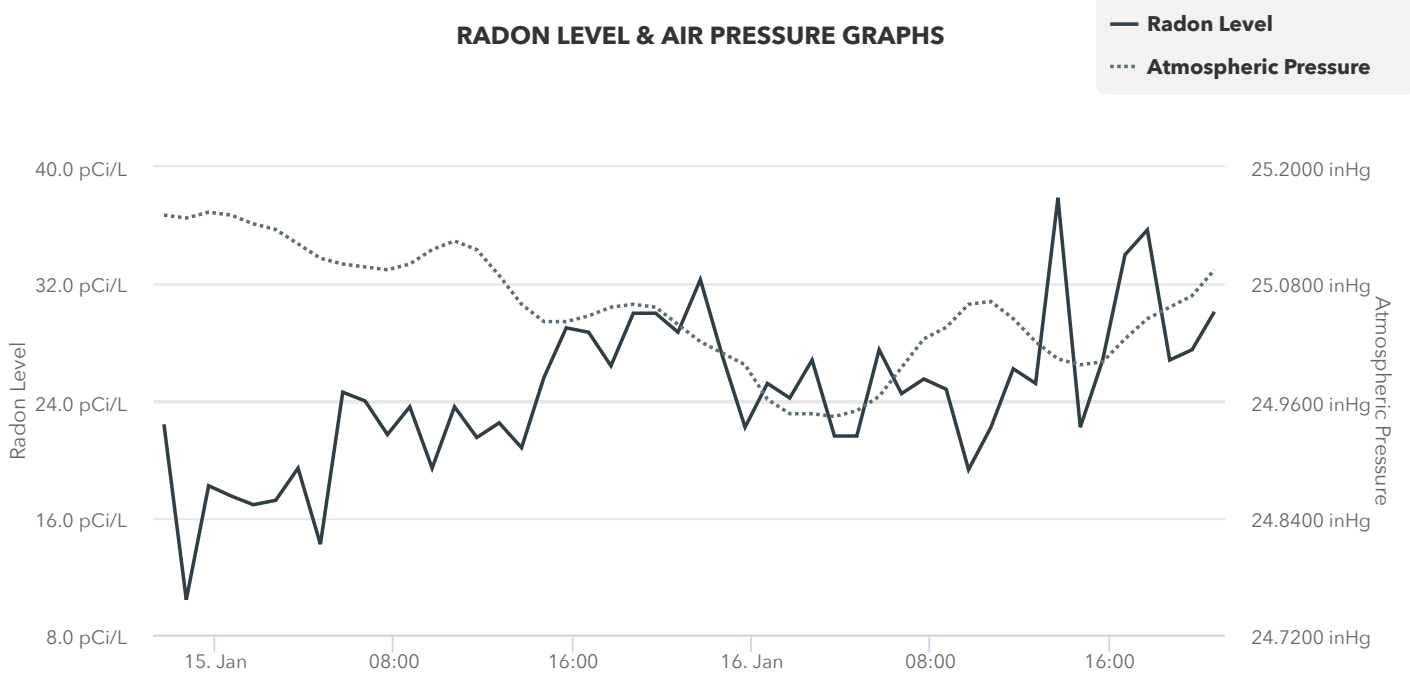
ATMOSPHERIC PRESSURE

MINIMUM
24.9440 inHg

AVERAGE
25.0544 inHg

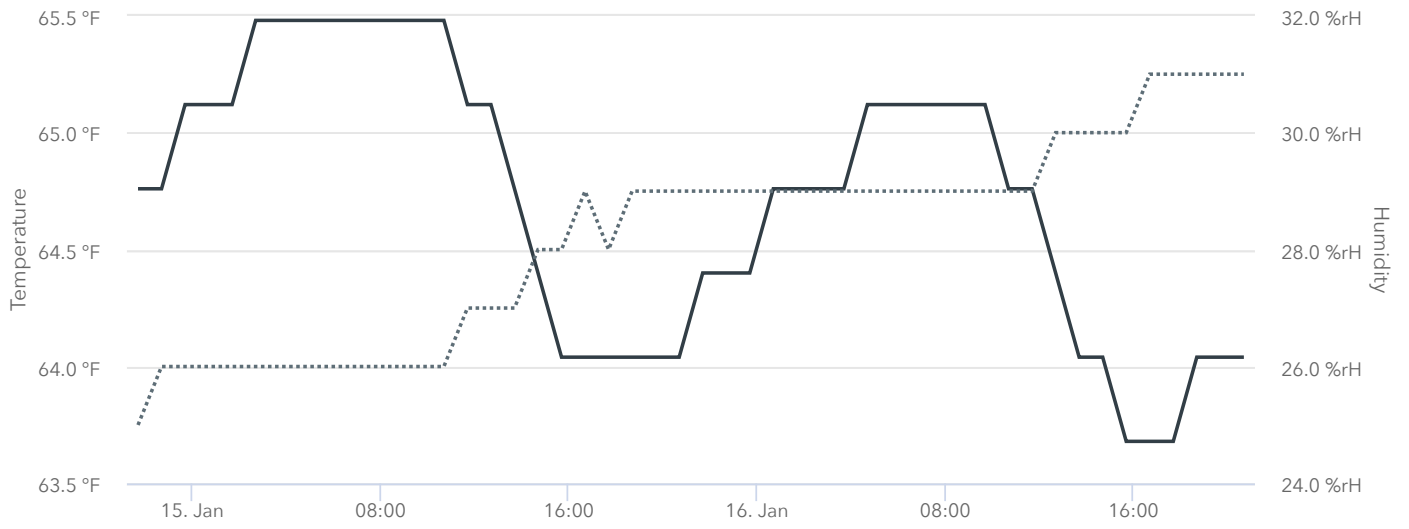
MAXIMUM
25.1537 inHg

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	2021-01-14, 9:41 p.m. MST	22.4 pCi/L	25.1507 inHg	64.8 °F	25.0 %rH
2	2021-01-14, 10:41 p.m. MST	10.4 pCi/L	25.1477 inHg	64.8 °F	26.0 %rH
3	2021-01-14, 11:41 p.m. MST	18.2 pCi/L	25.1537 inHg	65.1 °F	26.0 %rH
4	2021-01-15, 12:41 a.m. MST	17.5 pCi/L	25.1507 inHg	65.1 °F	26.0 %rH
5	2021-01-15, 1:41 a.m. MST	16.9 pCi/L	25.1418 inHg	65.1 °F	26.0 %rH
6	2021-01-15, 2:41 a.m. MST	17.2 pCi/L	25.1359 inHg	65.5 °F	26.0 %rH
7	2021-01-15, 3:41 a.m. MST	19.4 pCi/L	25.1212 inHg	65.5 °F	26.0 %rH
8	2021-01-15, 4:41 a.m. MST	14.2 pCi/L	25.1064 inHg	65.5 °F	26.0 %rH
9	2021-01-15, 5:41 a.m. MST	24.6 pCi/L	25.1005 inHg	65.5 °F	26.0 %rH
10	2021-01-15, 6:41 a.m. MST	24.0 pCi/L	25.0975 inHg	65.5 °F	26.0 %rH
11	2021-01-15, 7:41 a.m. MST	21.7 pCi/L	25.0946 inHg	65.5 °F	26.0 %rH
12	2021-01-15, 8:41 a.m. MST	23.6 pCi/L	25.1005 inHg	65.5 °F	26.0 %rH
13	2021-01-15, 9:41 a.m. MST	19.4 pCi/L	25.1153 inHg	65.5 °F	26.0 %rH
14	2021-01-15, 10:41 a.m. MST	23.6 pCi/L	25.1241 inHg	65.5 °F	26.0 %rH
15	2021-01-15, 11:41 a.m. MST	21.5 pCi/L	25.1153 inHg	65.1 °F	27.0 %rH
16	2021-01-15, 12:41 p.m. MST	22.5 pCi/L	25.0887 inHg	65.1 °F	27.0 %rH
17	2021-01-15, 1:41 p.m. MST	20.8 pCi/L	25.0592 inHg	64.8 °F	27.0 %rH
18	2021-01-15, 2:41 p.m. MST	25.6 pCi/L	25.0414 inHg	64.4 °F	28.0 %rH
19	2021-01-15, 3:41 p.m. MST	29.0 pCi/L	25.0414 inHg	64.0 °F	28.0 %rH
20	2021-01-15, 4:41 p.m. MST	28.7 pCi/L	25.0473 inHg	64.0 °F	29.0 %rH
21	2021-01-15, 5:41 p.m. MST	26.4 pCi/L	25.0562 inHg	64.0 °F	28.0 %rH
22	2021-01-15, 6:41 p.m. MST	30.0 pCi/L	25.0592 inHg	64.0 °F	29.0 %rH
23	2021-01-15, 7:41 p.m. MST	30.0 pCi/L	25.0562 inHg	64.0 °F	29.0 %rH
24	2021-01-15, 8:41 p.m. MST	28.7 pCi/L	25.0385 inHg	64.0 °F	29.0 %rH
25	2021-01-15, 9:41 p.m. MST	32.3 pCi/L	25.0208 inHg	64.4 °F	29.0 %rH
26	2021-01-15, 10:41 p.m. MST	27.0 pCi/L	25.0090 inHg	64.4 °F	29.0 %rH
27	2021-01-15, 11:41 p.m. MST	22.2 pCi/L	24.9971 inHg	64.4 °F	29.0 %rH
28	2021-01-16, 12:41 a.m. MST	25.2 pCi/L	24.9617 inHg	64.8 °F	29.0 %rH
29	2021-01-16, 1:41 a.m. MST	24.2 pCi/L	24.9469 inHg	64.8 °F	29.0 %rH
30	2021-01-16, 2:41 a.m. MST	26.8 pCi/L	24.9469 inHg	64.8 °F	29.0 %rH
31	2021-01-16, 3:41 a.m. MST	21.6 pCi/L	24.9440 inHg	64.8 °F	29.0 %rH
32	2021-01-16, 4:41 a.m. MST	21.6 pCi/L	24.9499 inHg	65.1 °F	29.0 %rH

33	2021-01-16, 5:41 a.m. MST	27.5 pCi/L	24.9647 inHg	65.1 °F	29.0 %rH
34	2021-01-16, 6:41 a.m. MST	24.5 pCi/L	24.9942 inHg	65.1 °F	29.0 %rH
35	2021-01-16, 7:41 a.m. MST	25.5 pCi/L	25.0237 inHg	65.1 °F	29.0 %rH
36	2021-01-16, 8:41 a.m. MST	24.8 pCi/L	25.0355 inHg	65.1 °F	29.0 %rH
37	2021-01-16, 9:41 a.m. MST	19.3 pCi/L	25.0592 inHg	65.1 °F	29.0 %rH
38	2021-01-16, 10:41 a.m. MST	22.2 pCi/L	25.0621 inHg	64.8 °F	29.0 %rH
39	2021-01-16, 11:41 a.m. MST	26.2 pCi/L	25.0444 inHg	64.8 °F	29.0 %rH
40	2021-01-16, 12:41 p.m. MST	25.2 pCi/L	25.0208 inHg	64.4 °F	30.0 %rH
41	2021-01-16, 1:41 p.m. MST	37.9 pCi/L	25.0031 inHg	64.0 °F	30.0 %rH
42	2021-01-16, 2:41 p.m. MST	22.2 pCi/L	24.9971 inHg	64.0 °F	30.0 %rH
43	2021-01-16, 3:41 p.m. MST	26.8 pCi/L	25.0001 inHg	63.7 °F	30.0 %rH
44	2021-01-16, 4:41 p.m. MST	34.0 pCi/L	25.0237 inHg	63.7 °F	31.0 %rH
45	2021-01-16, 5:41 p.m. MST	35.7 pCi/L	25.0444 inHg	63.7 °F	31.0 %rH
46	2021-01-16, 6:41 p.m. MST	26.8 pCi/L	25.0562 inHg	64.0 °F	31.0 %rH
47	2021-01-16, 7:41 p.m. MST	27.5 pCi/L	25.0680 inHg	64.0 °F	31.0 %rH
48	2021-01-16, 8:41 p.m. MST	30.1 pCi/L	25.0946 inHg	64.0 °F	31.0 %rH

TEST INFORMATION



Average Radon Level:	24.4 pCi/L
Dataset Name:	Simpson
Measurement Type:	Initial
Start Date:	Jan 14, 2021, 8:41 p.m. MST
End Date:	Jan 16, 2021, 8:41 p.m. MST
Measurement Duration:	48h
Test Delay:	4h
Floor/Level:	Basement
Room:	Office
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/O MITIGATION SYSTEM

The average measured radon level is at or above the Environmental Protection Agency (EPA) Action Level of 4.0 pCi/L. The EPA recommends having a radon mitigation system installed to reduce the concentration of indoor radon. Retest the building at least 24 hours but within 30 days after the system has been installed and running. 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:	2700010025
Calibration Date:	2020-10-07
Calibration Expiration Date:	2021-10-07
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:	2700010025-2021-01-15T04:41:29Z
Date Report Was Generated:	2022-09-03
Time:	5:22 p.m. MDT

RADON PROFESSIONAL INFORMATION



Name:	Sean Williford
Email address:	sean@radon.org
Phone number:	9707924440

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 Sean Williford.

Sean Williford

Electronic Signature

2022-09-03

Loveland