



Residential Radon Measurement Report

Average Radon Concentrations

5.6 pCi/L

The average radon levels are above the EPA's recommended maximum exposure level of 4.0 pCi/L.

Recommendation

Fix the building. In order to lower the radon concentrations in the home a radon mitigation system should be installed by a Florida licensed radon mitigation contractor. Once the mitigation system has been operating for at least 24 hours a post mitigation measurement should be performed to ensure the system is in fact lowering the radon levels. Efforts to reduce radon concentrations are not complete until a retest provides evidence of effectiveness. Additionally, it is recommended to retest every 2 years or if any significant alterations, renovations or additions are made to the home to ensure the mitigation system remains effective.

Property & Measurement Information

Property Address: **Sample Report – New Smyrna Beach, FL 32168**

Location of measurement device: **Family Room**

Measurement device calibration **Device 182 Calibration Date: 6/01/2021**

Foundation Type: **Slab on Grade**

Crawlspace Vents: **N/A**

Combustion Air Vents: **None Observed**

Is Home Occupied or Vacant: **Occupied**

Existing Radon Mitigation System: **No Mitigation System**

Mitigation Tag ID: **N/A**

Additional comments

FYI: The following comment is required IAW national radon measurement standards. Test Limitations: There is uncertainty with any measurement result due to statistical variations and other factors such as daily and seasonal variations in radon concentrations. Variations may be due to changes in the weather, operation of the dwelling, or possible interference with the necessary test conditions.

Please call if you have any questions.



Radon Test Report

December 30, 2021

Batch #: 052421-1

Customer:

Sample Report
New Smyrna Beach FL 32168

Test Site:

Sample Report
New Smyrna Beach FL 32168

Rad Elec Recon Continuous Radon Monitors were used for radon screening measurements that were conducted at the above referenced test site by: Radon Testing Services, LLC (Cert.#FL License R2735)

The Results are as follows:

Serial No.	Type	Location	Test Start Date		Test End Date		Results (pCi/L)
182	CRM	Living Room	20-May-2021	2:00 PM	24-May-2021	10:46 AM	5.6
CRM Calibration Due: 05-Jun-2021							

Deployed By: Mark Perry RNI2013233
Retrieved By: Mark Perry RNI2013233
Analyzed By: Mark Perry RNI2013233
Conditions: Requirements for Closed-Building Met
Weather: No Abnormal Weather Conditions
Vents: Not Applicable
Mitigation: No System Installed

Radon Health Risk Information

Radon is recognized by the United States Environmental Protection Agency as well as the scientific and medical communities as a Class A carcinogen, accounting for 15,000 – 22,000 lung cancer deaths annually.

Homes without a mitigation system should be retested every 5 year or when any significant alterations, renovations or additions are made to the home. If there is a mitigation system, retest every 2 years to ensure the continued mitigation system effectiveness. Please call if you have any questions.



Radon Test Report

December 30, 2021

Batch #: 052421-1

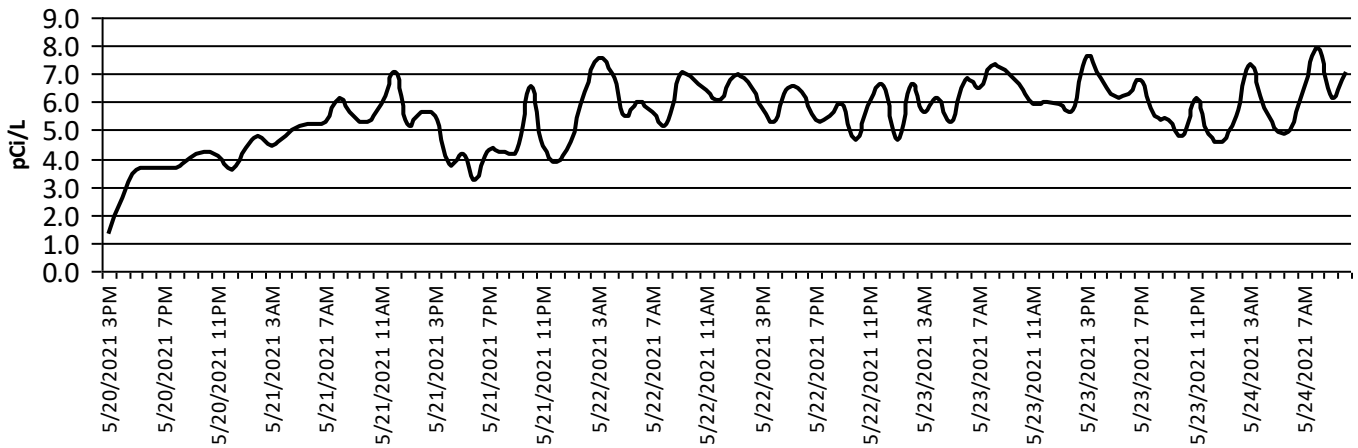
Customer:

Sample Report
New Smyrna Beach FL 32168

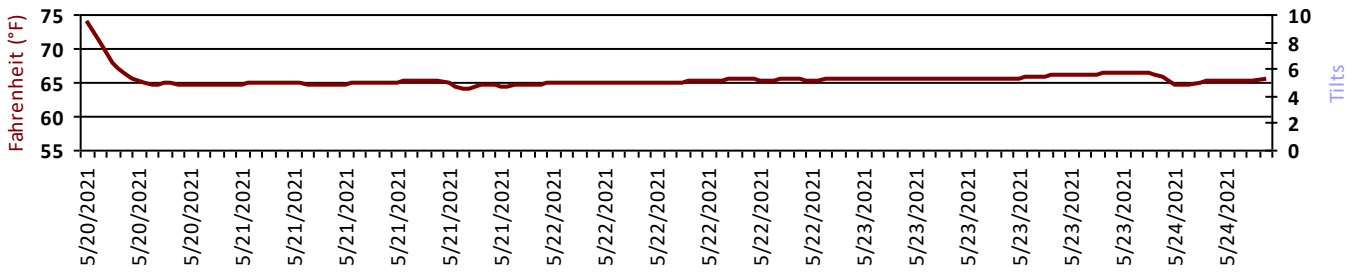
Test Site:

Sample Report
New Smyrna Beach FL 32168

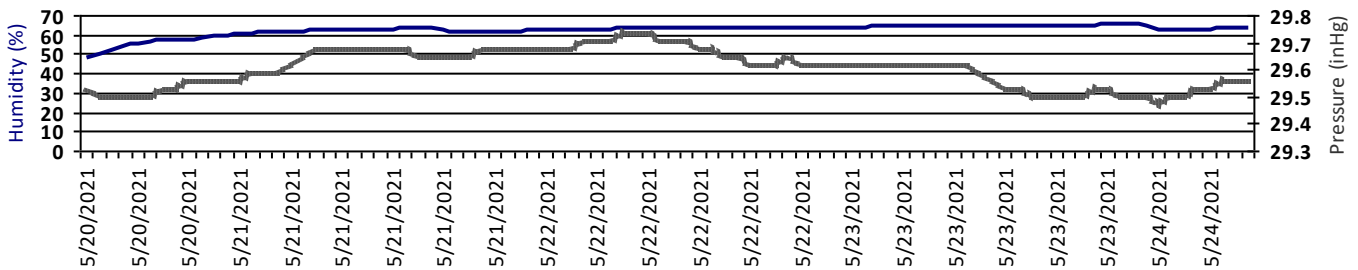
Graphical Results for: Rad Elec Recon 182



Temperature & Tilts



Humidity & Pressure





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Batch #: 052421-1

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Test Site:

Sample Report
New Smyrna Beach FL 32168

Hourly Detailed Report for: Rad Elec Recon 182

Record #	Date/Time	pCi/L	Fahrenheit (°F)	Pressure (inHg)	Humidity (%)	Tilts
1	20-May-2021 15:00	1.3	74	29.5	48	0
2	20-May-2021 16:00	2.7	71	29.5	51	0
3	20-May-2021 17:00	3.6	68	29.5	52	0
4	20-May-2021 18:00	3.7	66	29.5	55	0
5	20-May-2021 19:00	3.7	65	29.5	56	0
6	20-May-2021 20:00	3.7	65	29.5	56	0
7	20-May-2021 21:00	4.0	65	29.5	57	0
8	20-May-2021 22:00	4.3	65	29.5	58	0
9	20-May-2021 23:00	4.1	65	29.6	58	0
10	21-May-2021 0:00	3.6	65	29.6	59	0
11	21-May-2021 1:00	4.4	65	29.6	60	0
12	21-May-2021 2:00	4.8	65	29.6	60	0
13	21-May-2021 3:00	4.5	65	29.6	61	0
14	21-May-2021 4:00	4.8	65	29.6	61	0
15	21-May-2021 5:00	5.2	65	29.6	61	0
16	21-May-2021 6:00	5.2	65	29.6	62	0
17	21-May-2021 7:00	5.3	65	29.6	62	0
18	21-May-2021 8:00	6.2	65	29.6	62	0
19	21-May-2021 9:00	5.6	65	29.7	62	0
20	21-May-2021 10:00	5.3	65	29.7	63	0
21	21-May-2021 11:00	6.0	65	29.7	63	0
22	21-May-2021 12:00	7.1	65	29.7	63	0
23	21-May-2021 13:00	5.2	65	29.7	63	0
24	21-May-2021 14:00	5.6	65	29.7	63	0
25	21-May-2021 15:00	5.5	65	29.7	63	0
26	21-May-2021 16:00	3.8	65	29.7	63	0
27	21-May-2021 17:00	4.2	65	29.6	64	0
28	21-May-2021 18:00	3.2	65	29.6	64	0
29	21-May-2021 19:00	4.3	65	29.6	63	0
30	21-May-2021 20:00	4.2	64	29.6	62	0
31	21-May-2021 21:00	4.4	64	29.6	62	0
32	21-May-2021 22:00	6.6	65	29.7	62	0
33	21-May-2021 23:00	4.5	64	29.7	62	0
34	22-May-2021 0:00	3.9	65	29.7	62	0
35	22-May-2021 1:00	4.6	65	29.7	62	0
36	22-May-2021 2:00	6.3	65	29.7	62	0
37	22-May-2021 3:00	7.6	65	29.7	63	0
38	22-May-2021 4:00	7.0	65	29.7	63	0
39	22-May-2021 5:00	5.6	65	29.7	63	0
40	22-May-2021 6:00	6.0	65	29.7	63	0
41	22-May-2021 7:00	5.7	65	29.7	63	0
42	22-May-2021 8:00	5.2	65	29.7	63	0



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Test Site:

Sample Report
New Smyrna Beach FL 32168

Record #	Date/Time	pCi/L	Fahrenheit (°F)	Pressure (inHg)	Humidity (%)	Tilts
43	22-May-2021 9:00	7.0	65	29.7	64	0
44	22-May-2021 10:00	6.9	65	29.7	64	0
45	22-May-2021 11:00	6.4	65	29.7	64	0
46	22-May-2021 12:00	6.1	65	29.7	64	0
47	22-May-2021 13:00	6.9	65	29.7	64	0
48	22-May-2021 14:00	6.7	65	29.7	64	0
49	22-May-2021 15:00	5.8	65	29.7	64	0
50	22-May-2021 16:00	5.3	65	29.7	64	0
51	22-May-2021 17:00	6.5	65	29.6	64	0
52	22-May-2021 18:00	6.3	66	29.6	64	0
53	22-May-2021 19:00	5.4	65	29.6	64	0
54	22-May-2021 20:00	5.5	65	29.6	64	0
55	22-May-2021 21:00	5.9	65	29.6	64	0
56	22-May-2021 22:00	4.7	66	29.6	64	0
57	22-May-2021 23:00	6.0	65	29.6	64	0
58	23-May-2021 0:00	6.6	65	29.6	64	0
59	23-May-2021 1:00	4.7	66	29.6	64	0
60	23-May-2021 2:00	6.7	66	29.6	64	0
61	23-May-2021 3:00	5.7	66	29.6	64	0
62	23-May-2021 4:00	6.2	66	29.6	64	0
63	23-May-2021 5:00	5.3	66	29.6	65	0
64	23-May-2021 6:00	6.8	66	29.6	65	0
65	23-May-2021 7:00	6.5	66	29.6	65	0
66	23-May-2021 8:00	7.3	66	29.6	65	0
67	23-May-2021 9:00	7.2	66	29.6	65	0
68	23-May-2021 10:00	6.7	66	29.6	65	0
69	23-May-2021 11:00	6.0	66	29.6	65	0
70	23-May-2021 12:00	6.0	66	29.6	65	0
71	23-May-2021 13:00	5.9	66	29.6	65	0
72	23-May-2021 14:00	5.8	66	29.6	65	0
73	23-May-2021 15:00	7.7	66	29.5	65	0
74	23-May-2021 16:00	6.9	66	29.5	65	0
75	23-May-2021 17:00	6.2	66	29.5	65	0
76	23-May-2021 18:00	6.3	66	29.5	65	0
77	23-May-2021 19:00	6.8	66	29.5	65	0
78	23-May-2021 20:00	5.5	66	29.5	65	0
79	23-May-2021 21:00	5.4	66	29.5	65	0
80	23-May-2021 22:00	4.9	66	29.5	65	0
81	23-May-2021 23:00	6.2	66	29.5	65	0
82	24-May-2021 0:00	4.9	66	29.5	66	0
83	24-May-2021 1:00	4.6	66	29.5	66	0
84	24-May-2021 2:00	5.5	66	29.5	65	0
85	24-May-2021 3:00	7.4	65	29.5	63	0
86	24-May-2021 4:00	5.8	65	29.5	63	0
87	24-May-2021 5:00	4.9	65	29.5	63	0

Description of Measurement Device Used

The home was tested with a Continuous Radon Monitoring (CRM) manufactured by Rad Elec. This is an electronic device that takes numerous samples every hour and then sums the results of those samples into hourly averages. It then begins a new count for the next hour. This results in a series of short term averages that are stored internally and show the variations in radon levels over time. When the test is terminated, the hourly averages are calculated into one overall average for the entire testing period. The monitor also takes and stores hourly reading of temperature, humidity, barometric pressure, power disruption and movement of the device. Among other things, this data can be used to determine if severe weather caused any unusual spikes in the radon levels or if the device was tampered with.

Radon Health Warnings

Radon is recognized by the United States Environmental Protection Agency (US EPA) as well as the scientific and medical communities as a Class A carcinogen, accounting for 15,000 – 22,000 lung cancer deaths annually. Exposure to radon gas is the leading cause of death in private homes.

Surgeon General Health Advisory: “Indoor radon is the second leading cause of lung cancer in the United States and breathing it over prolonged periods can present a significant health risk to all families all over the country. It's important to know this threat is completely preventable. Radon can be detected with a test and fixed through well-established venting techniques.”