

Sun Nuclear Radon Sentinel© Continuous Radon Monitor

Site Address:

Kristen and Shane Thomson
53 Peck Lane
Colchester, CT 06415

Inspection Date:

9/21/2024 11:34 AM

Report Prepared For:

Kristen and Shane Thomson
53 Peck Lane
Colchester, CT 06415

Report Prepared By:

A. Douglas Thibodeau, L.L.C.
21 Portland Road
Marlborough, CT 06447
860-978-1513

License Number:

108125 RT

Sun Nuclear Radon Sentinel© Continuous Radon Monitor

Model Number: 1030

Serial Number: 52133042

Calibration Date: 12/2/2022

Calibration Factors: [1: 2.5] [2: 2.5] [3: 2.51] [4: 2.57] [5: 2.49] [6: 2.54]

Test Summary:

Start Time: 9/21/2024 11:34 AM

Units: pCi/l

Hours Delayed: 24 hour(s)

Test Duration: 48 hour(s)

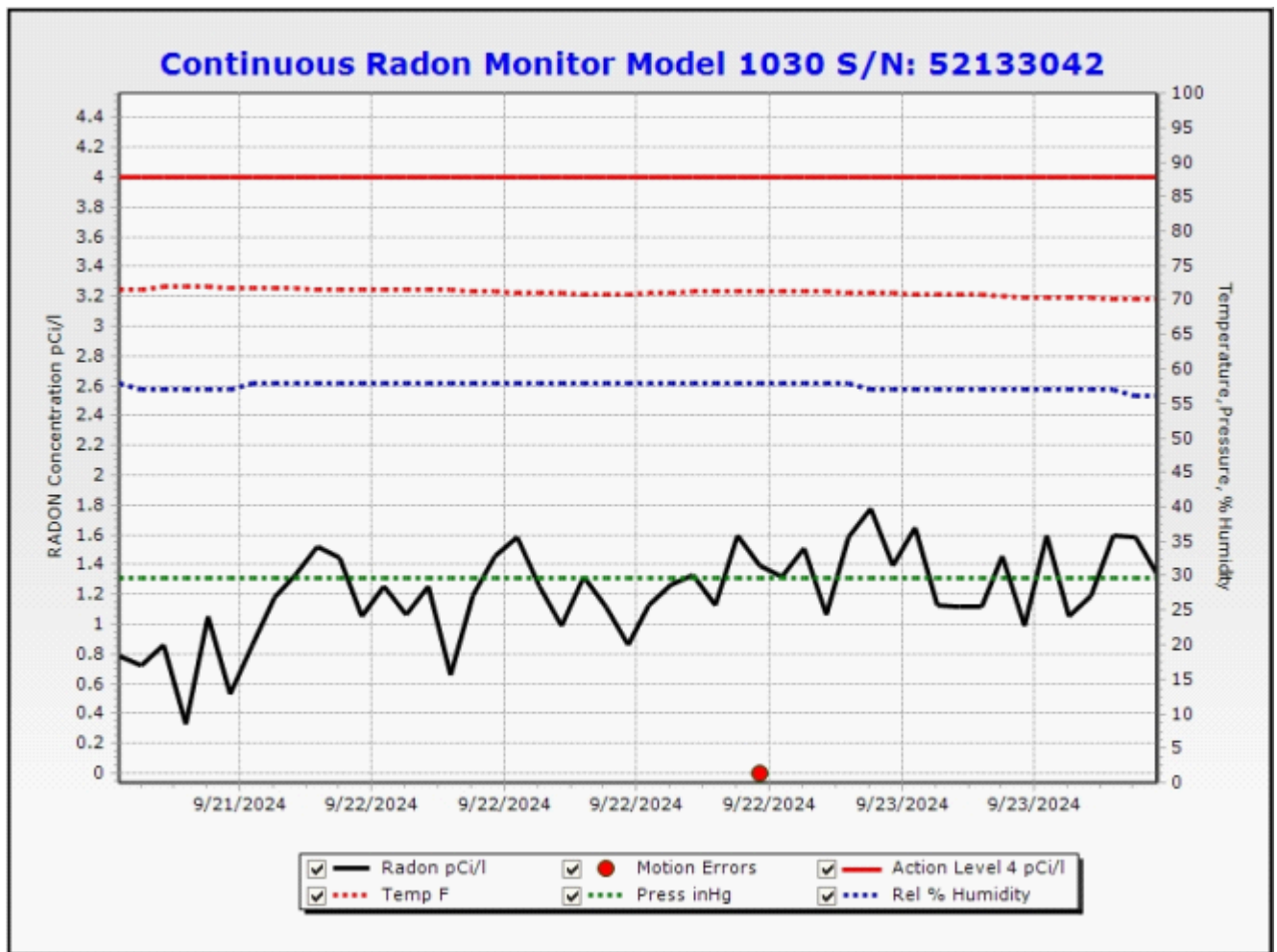
Measurement Interval: 1 hour(s)

Measurements: 48

Mitigation System exists and is working.

Overall Average: 1.2 pCi/l

EPA Average: 1.3 pCi/l



Date/Time		pCi/l	Temp(F)	Press(inHg)	Humidity(%)	Flags
9/21/2024	12:34 PM	0.80	71.60	29.6	58.0	0
9/21/2024	1:34 PM	0.70	71.60	29.6	57.0	0
9/21/2024	2:34 PM	0.90	72.00	29.6	57.0	0
9/21/2024	3:34 PM	0.30	72.00	29.6	57.0	0
9/21/2024	4:34 PM	1.10	72.00	29.6	57.0	0
9/21/2024	5:34 PM	0.50	71.80	29.6	57.0	0
9/21/2024	6:34 PM	0.90	71.80	29.6	58.0	0
9/21/2024	7:34 PM	1.20	71.80	29.6	58.0	0
9/21/2024	8:34 PM	1.30	71.80	29.6	58.0	0
9/21/2024	9:34 PM	1.50	71.60	29.6	58.0	0
9/21/2024	10:34 PM	1.40	71.60	29.6	58.0	0
9/21/2024	11:34 PM	1.10	71.60	29.6	58.0	0
9/22/2024	12:34 AM	1.30	71.40	29.6	58.0	0
9/22/2024	1:34 AM	1.10	71.40	29.6	58.0	0
9/22/2024	2:34 AM	1.30	71.40	29.6	58.0	0
9/22/2024	3:34 AM	0.70	71.40	29.6	58.0	0
9/22/2024	4:34 AM	1.20	71.20	29.6	58.0	0
9/22/2024	5:34 AM	1.50	71.20	29.6	58.0	0
9/22/2024	6:34 AM	1.60	71.10	29.6	58.0	0
9/22/2024	7:34 AM	1.30	71.10	29.6	58.0	0
9/22/2024	8:34 AM	1.00	71.10	29.6	58.0	0
9/22/2024	9:34 AM	1.30	70.90	29.7	58.0	0
9/22/2024	10:34 AM	1.10	70.90	29.6	58.0	0
9/22/2024	11:34 AM	0.90	70.90	29.6	58.0	0
9/22/2024	12:34 PM	1.10	71.10	29.6	58.0	0
9/22/2024	1:34 PM	1.30	71.10	29.6	58.0	0
9/22/2024	2:34 PM	1.30	71.20	29.6	58.0	0
9/22/2024	3:34 PM	1.10	71.20	29.6	58.0	0
9/22/2024	4:34 PM	1.60	71.20	29.7	58.0	0
9/22/2024	5:34 PM	1.40	71.20	29.6	58.0	M
9/22/2024	6:34 PM	1.30	71.20	29.6	58.0	0
9/22/2024	7:34 PM	1.50	71.20	29.7	58.0	0
9/22/2024	8:34 PM	1.10	71.20	29.7	58.0	0
9/22/2024	9:34 PM	1.60	71.10	29.7	58.0	0
9/22/2024	10:34 PM	1.80	71.10	29.7	57.0	0
9/22/2024	11:34 PM	1.40	71.10	29.7	57.0	0
9/23/2024	12:34 AM	1.70	70.90	29.7	57.0	0
9/23/2024	1:34 AM	1.10	70.90	29.7	57.0	0
9/23/2024	2:34 AM	1.10	70.70	29.7	57.0	0
9/23/2024	3:34 AM	1.10	70.70	29.6	57.0	0
9/23/2024	4:34 AM	1.50	70.50	29.6	57.0	0
9/23/2024	5:34 AM	1.00	70.30	29.7	57.0	0
9/23/2024	6:34 AM	1.60	70.30	29.7	57.0	0
9/23/2024	7:34 AM	1.10	70.30	29.7	57.0	0
9/23/2024	8:34 AM	1.20	70.30	29.7	57.0	0
9/23/2024	9:34 AM	1.60	70.20	29.7	57.0	0
9/23/2024	10:34 AM	1.60	70.20	29.7	56.0	0
9/23/2024	11:34 AM	1.30	70.20	29.7	56.0	0

Over All Average:1.2 pCi/l EPA Average:1.3 pCi/l

Radon Risk Information

Radon is the second leading cause of lung cancer after smoking. The US EPA and Surgeon General strongly recommend taking further action when a home's radon test results are 4.0 pCi/l or greater. The concentration of radon in the home is measured in picocuries per liter of air (pCi/l). Radon levels less than 4.0 pCi/l still pose some risk and in many cases may be reduced. If the radon level in the home is between 2.0 and 4.0 pCi/l, the EPA still recommends that you consider fixing the home. The average indoor radon level is estimated to be about 1.3 pCi/l; roughly 0.4 pCi/l of radon is normally found in the outside air. The higher the home radon level, the greater the health risk. Even homes with very high radon levels can be reduced to below 4.0 pCi/l and many homes can be reduced to 2.0 pCi/l or less.

Understanding Time-Sensitive Testing Protocols

It is necessary to fix the home when a single test averages 4.0 pCi/l or more.
It is a good idea to fix the home when a single test averages between 2.0 and 4.0 pCi/l.
If a test result averages less than 4.0 pCi/l, it is recommended to confirm the low result by testing again at least every two years and whenever significant changes to the home structure or mechanical systems occur. Test during different seasons and different weather conditions to reduce your risk of exposure.