

*Sun Nuclear Radon Sentinel© Continuous Radon Monitor*

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**Site Address:**

**238 Neutron Street**

**Protonville, KY**

**Inspection Date:**

3/11/2018 3:55 PM

**Report Prepared For:**

Ray D. O'Active

**Report Prepared By:**

Louisville Home Inspections

Shepherdsville, KY 40165

(502) 771-2100

**License Number:**

KY #174304

# Sun Nuclear Radon Sentinel© Continuous Radon Monitor

## Model Number: 1030

Serial Number: 217399006

Calibration Date: 7/27/2017

Calibration Factors: [1: 2.53] [2: 2.4] [3: 2.5] [4: 2.46] [5: 2.55] [6: 2.51]

## Test Summary:

Start Time: 3/11/2018 3:55 PM

Units: pCi/l

Hours Delayed: 0 Hour(s)

Test Duration: 48 Hour(s)

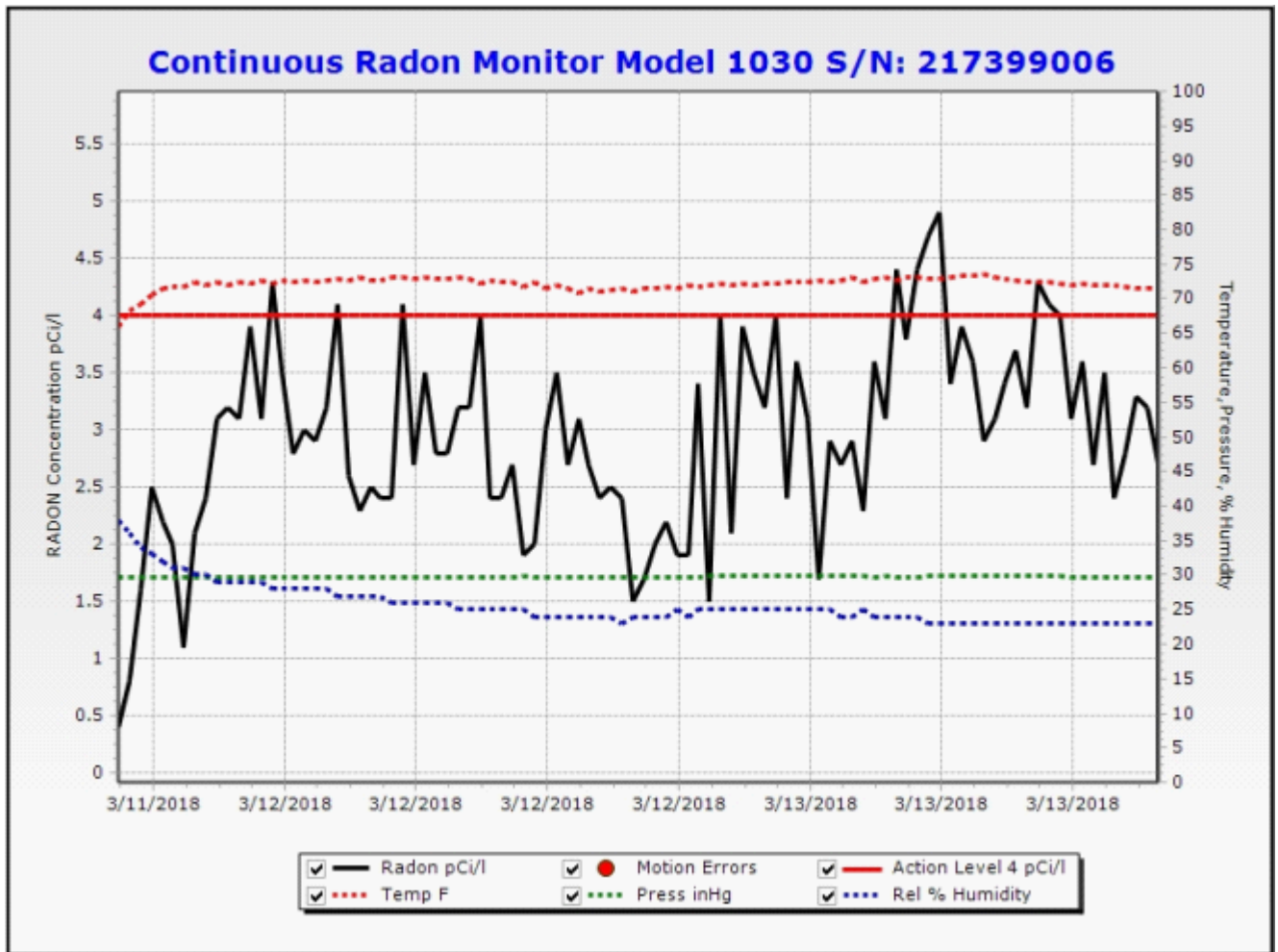
Measurement Interval: 0.5 Hour(s)

Measurements: 96

Mitigation System is not installed on property.

Overall Average: 2.9 pCi/l

EPA Average: 3.1 pCi/l



Date/Time		pCi/l	Temp(F)	Press(inHg)	Humidity(%)	Flags
3/11/2018	4:25 PM	0.40	66.00	29.6	38.0	0
3/11/2018	4:55 PM	0.80	68.20	29.6	36.0	0
3/11/2018	5:25 PM	1.60	69.10	29.6	34.0	0
3/11/2018	5:55 PM	2.50	70.50	29.6	33.0	0
3/11/2018	6:25 PM	2.20	71.60	29.6	32.0	0
3/11/2018	6:55 PM	2.00	71.80	29.6	31.0	0
3/11/2018	7:25 PM	1.10	71.80	29.6	31.0	0
3/11/2018	7:55 PM	2.10	72.30	29.6	30.0	0
3/11/2018	8:25 PM	2.40	72.00	29.6	30.0	0
3/11/2018	8:55 PM	3.10	72.30	29.6	29.0	0
3/11/2018	9:25 PM	3.20	72.00	29.6	29.0	0
3/11/2018	9:55 PM	3.10	72.50	29.6	29.0	0
3/11/2018	10:25 PM	3.90	72.10	29.6	29.0	0
3/11/2018	10:55 PM	3.10	72.70	29.6	29.0	0
3/11/2018	11:25 PM	4.30	72.10	29.6	28.0	0
3/11/2018	11:55 PM	3.50	72.70	29.6	28.0	0
3/12/2018	12:25 AM	2.80	72.50	29.7	28.0	0
3/12/2018	12:55 AM	3.00	72.70	29.7	28.0	0
3/12/2018	1:25 AM	2.90	72.50	29.6	28.0	0
3/12/2018	1:55 AM	3.20	72.70	29.6	28.0	0
3/12/2018	2:25 AM	4.10	72.90	29.6	27.0	0
3/12/2018	2:55 AM	2.60	72.70	29.6	27.0	0
3/12/2018	3:25 AM	2.30	73.00	29.6	27.0	0
3/12/2018	3:55 AM	2.50	72.70	29.6	27.0	0
3/12/2018	4:25 AM	2.40	72.70	29.6	27.0	0
3/12/2018	4:55 AM	2.40	73.00	29.6	26.0	0
3/12/2018	5:25 AM	4.10	73.00	29.6	26.0	0
3/12/2018	5:55 AM	2.70	72.90	29.7	26.0	0
3/12/2018	6:25 AM	3.50	73.20	29.7	26.0	0
3/12/2018	6:55 AM	2.80	72.90	29.7	26.0	0
3/12/2018	7:25 AM	2.80	72.90	29.7	26.0	0
3/12/2018	7:55 AM	3.20	73.00	29.7	25.0	0
3/12/2018	8:25 AM	3.20	72.90	29.7	25.0	0
3/12/2018	8:55 AM	4.00	72.10	29.7	25.0	0
3/12/2018	9:25 AM	2.40	72.70	29.7	25.0	0
3/12/2018	9:55 AM	2.40	72.30	29.7	25.0	0
3/12/2018	10:25 AM	2.70	72.50	29.7	25.0	0
3/12/2018	10:55 AM	1.90	71.80	29.8	25.0	0
3/12/2018	11:25 AM	2.00	72.30	29.7	24.0	0
3/12/2018	11:55 AM	3.00	71.60	29.7	24.0	0
3/12/2018	12:25 PM	3.50	72.00	29.7	24.0	0
3/12/2018	12:55 PM	2.70	71.40	29.7	24.0	0
3/12/2018	1:25 PM	3.10	70.90	29.7	24.0	0
3/12/2018	1:55 PM	2.70	71.40	29.7	24.0	0
3/12/2018	2:25 PM	2.40	71.10	29.7	24.0	0
3/12/2018	2:55 PM	2.50	71.20	29.7	24.0	0
3/12/2018	3:25 PM	2.40	71.40	29.7	23.0	0
3/12/2018	3:55 PM	1.50	71.10	29.7	24.0	0
3/12/2018	4:25 PM	1.70	71.60	29.7	24.0	0
3/12/2018	4:55 PM	2.00	71.40	29.7	24.0	0
3/12/2018	5:25 PM	2.20	71.80	29.7	24.0	0
3/12/2018	5:55 PM	1.90	71.60	29.7	25.0	0

Date/Time		pCi/l	Temp(F)	Press(inHg)	Humidity(%)	Flags
3/12/2018	6:25 PM	1.90	72.00	29.7	24.0	0
3/12/2018	6:55 PM	3.40	71.80	29.7	25.0	0
3/12/2018	7:25 PM	1.50	72.00	29.8	25.0	0
3/12/2018	7:55 PM	4.00	72.10	29.8	25.0	0
3/12/2018	8:25 PM	2.10	72.00	29.8	25.0	0
3/12/2018	8:55 PM	3.90	72.10	29.8	25.0	0
3/12/2018	9:25 PM	3.50	72.00	29.8	25.0	0
3/12/2018	9:55 PM	3.20	72.10	29.8	25.0	0
3/12/2018	10:25 PM	4.00	72.10	29.8	25.0	0
3/12/2018	10:55 PM	2.40	72.50	29.8	25.0	0
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3/12/2018	11:55 PM	3.10	72.30	29.8	25.0	0
3/13/2018	12:25 AM	1.70	72.70	29.8	25.0	0
3/13/2018	12:55 AM	2.90	72.30	29.8	25.0	0
3/13/2018	1:25 AM	2.70	72.70	29.8	24.0	0
3/13/2018	1:55 AM	2.90	73.00	29.8	24.0	0
3/13/2018	2:25 AM	2.30	72.50	29.8	25.0	0
3/13/2018	2:55 AM	3.60	72.90	29.7	24.0	0
3/13/2018	3:25 AM	3.10	73.00	29.8	24.0	0
3/13/2018	3:55 AM	4.40	72.70	29.7	24.0	0
3/13/2018	4:25 AM	3.80	73.00	29.7	24.0	0
3/13/2018	4:55 AM	4.40	73.20	29.7	24.0	0
3/13/2018	5:25 AM	4.70	72.90	29.8	23.0	0
3/13/2018	5:55 AM	4.90	72.90	29.8	23.0	0
3/13/2018	6:25 AM	3.40	73.20	29.8	23.0	0
3/13/2018	6:55 AM	3.90	73.40	29.8	23.0	0
3/13/2018	7:25 AM	3.60	73.40	29.8	23.0	0
3/13/2018	7:55 AM	2.90	73.60	29.8	23.0	0
3/13/2018	8:25 AM	3.10	73.20	29.8	23.0	0
3/13/2018	8:55 AM	3.40	72.90	29.8	23.0	0
3/13/2018	9:25 AM	3.70	72.70	29.8	23.0	0
3/13/2018	9:55 AM	3.20	72.50	29.8	23.0	0
3/13/2018	10:25 AM	4.30	72.50	29.8	23.0	0
3/13/2018	10:55 AM	4.10	72.30	29.8	23.0	0
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3/13/2018	12:55 PM	2.70	72.00	29.7	23.0	0
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3/13/2018	1:55 PM	2.40	72.00	29.7	23.0	0
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3/13/2018	2:55 PM	3.30	71.60	29.7	23.0	0
3/13/2018	3:25 PM	3.20	71.60	29.7	23.0	0
3/13/2018	3:55 PM	2.70	71.40	29.7	23.0	0

Over All Average:2.9 pCi/l EPA Average:3.1 pCi/l

## *Radon Risk Information*

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Radon is the second leading cause of lung cancer after smoking. The US EPA and Surgeon General strongly recommend taking further action when a homes 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*

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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.