

Radon Inspection Report

Test Location:

Bldg. Type: Residential Single Family

Test For:

Type: Other

Inspected By:

Sound Home Inspection, LLC
P.O. Box 393
Mystic, CT 06355
860-445-1236

Test Result: No Mitigation Recommended

Overall Average:

0.8 pCi/l

EPA Average:

0.8 pCi/l

Test Device Details:

Serial Number: 300001893
Model Number: 1028XP
Last Calibration: 12/11/2024
Next Calibration: 12/11/2025
Cal-Factors: 2.70
Motion Error: No

Test Site Condition:

Condition: Clear and Dry
Wind: South East 11-15mph
Structure Type: Colonial
Year Built: 1910
Sq Ft: 1491

Test Summary:

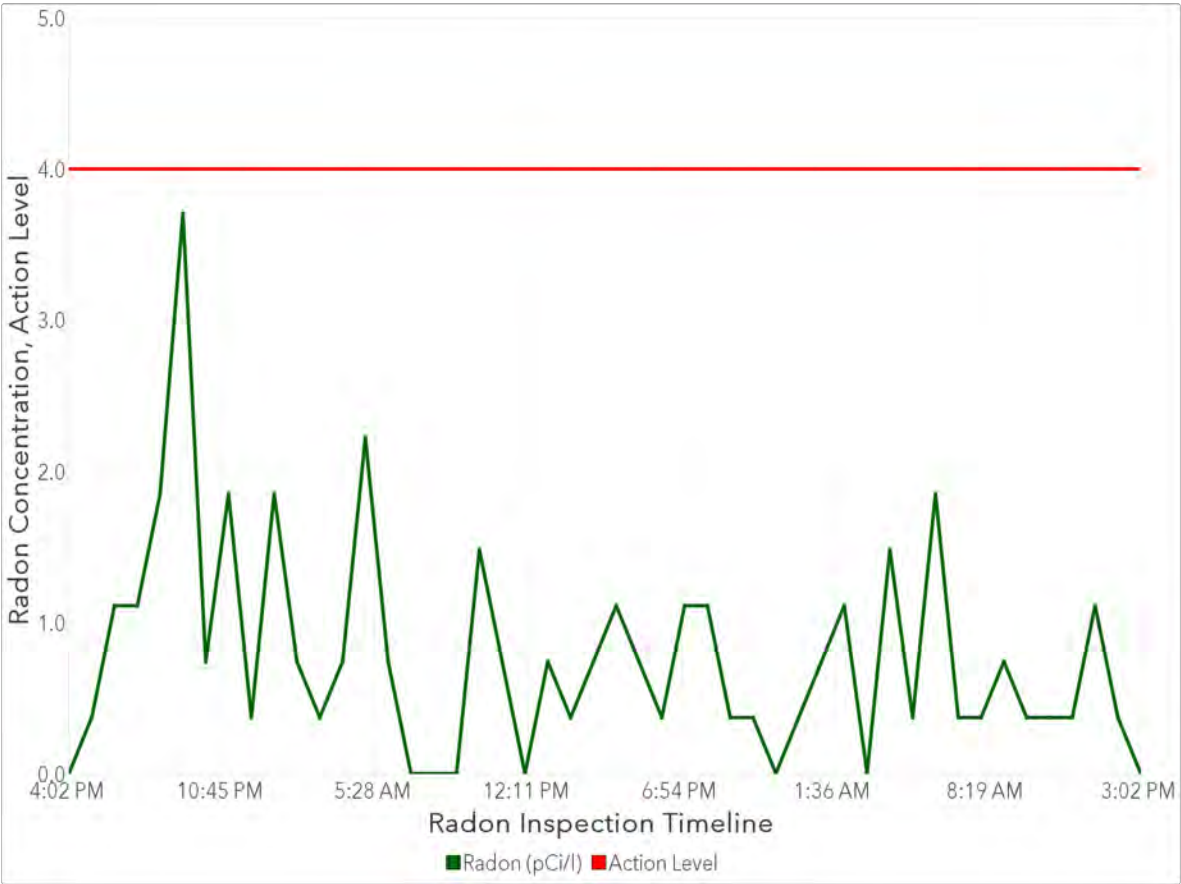
<u>CRM Location:</u>	<u>Start:</u>	<u>Stop:</u>	<u>Interval:</u>	<u>Duration:</u>
Basement	02/13/2025 03:02 PM	02/15/2025 03:02 PM	1 hr	48 hr
*First 4 hrs of data excluded	<u>Min:</u>	<u>Max:</u>	<u>Average:</u>	<u>Measurement Units:</u>
Radon Concentration:	0.0	3.7	0.8	pCi/l

Comments:

Lic/Cert Signature

Inspection Report Date: 02/21/2025

Radon Inspection Chart



Test Result: No Mitigation Recommended

Test Location:

Inspection Report Date: 02/21/2025

Test device manufactured by SunRADON, LLC

Test Checklist

- ☒ The location of the detector was selected so the detector was not to be disturbed during testing.
- ☒ The detector was not located near drafts caused by HVAC vents, windows and doors.
- ☒ The detector was not placed near areas of excessive heat, such as a fireplace or in direct sunlight.
- ☒ The detector was placed within the breathing zone of at least 20 inches to 6 feet above the floor and at least 1 foot below the ceiling if suspended.
- ☒ The detector was not placed within 1 foot of outside walls of the home or within 3 feet of any windows or doors to the exterior of the home.

Test Result: No Mitigation Recommended

Test Location:

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Test Table

* Data from first 4 hours excluded from EPA calculations

<u>Date/Time</u>	<u>Radon(pCi/l)</u>	<u>Flags</u>
02/13/25 04:02 PM	0.0	-
02/13/25 05:02 PM	0.4	-
02/13/25 06:02 PM	1.1	-
02/13/25 07:02 PM	1.1	-
02/13/25 08:02 PM	1.9	-
02/13/25 09:02 PM	3.7	-
02/13/25 10:02 PM	0.7	-
02/13/25 11:02 PM	1.9	-
02/14/25 12:02 AM	0.4	-
02/14/25 01:02 AM	1.9	-
02/14/25 02:02 AM	0.7	-
02/14/25 03:02 AM	0.4	-
02/14/25 04:02 AM	0.7	-
02/14/25 05:02 AM	2.2	-
02/14/25 06:02 AM	0.7	-
02/14/25 07:02 AM	0.0	-
02/14/25 08:02 AM	0.0	-
02/14/25 09:02 AM	0.0	-
02/14/25 10:02 AM	1.5	-
02/14/25 11:02 AM	0.7	-
02/14/25 12:02 PM	0.0	-
02/14/25 01:02 PM	0.7	-
02/14/25 02:02 PM	0.4	-
02/14/25 03:02 PM	0.7	-
02/14/25 04:02 PM	1.1	-
02/14/25 05:02 PM	0.7	-
02/14/25 06:02 PM	0.4	-
02/14/25 07:02 PM	1.1	-
02/14/25 08:02 PM	1.1	-
02/14/25 09:02 PM	0.4	-
02/14/25 10:02 PM	0.4	-
02/14/25 11:02 PM	0.0	-
02/15/25 12:02 AM	0.4	-
02/15/25 01:02 AM	0.7	-
02/15/25 02:02 AM	1.1	-
02/15/25 03:02 AM	0.0	-
02/15/25 04:02 AM	1.5	-
02/15/25 05:02 AM	0.4	-
02/15/25 06:02 AM	1.9	-
02/15/25 07:02 AM	0.4	-
02/15/25 08:02 AM	0.4	-
02/15/25 09:02 AM	0.7	-
02/15/25 10:02 AM	0.4	-
02/15/25 11:02 AM	0.4	-

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<u>Date/Time</u>	<u>Radon(pCi/l)</u>	<u>Flags</u>
02/15/25 12:02 PM	0.4	-
02/15/25 01:02 PM	1.1	-
02/15/25 02:02 PM	0.4	-
02/15/25 03:02 PM	0.0	-

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Radon Test Information

Radon Risk Information

Radon causes lung cancer by means of the decay of its daughter products after breathing in air contaminated with higher levels of Radon. The World Health Organization (WHO) estimates that 15% of lung cancers worldwide are caused by exposure to elevated indoor levels of Radon. Overall, radon is the second leading cause of lung cancer responsible for about 21,000 lung cancer deaths every year in the US alone. Radon gas is the number one cause of lung cancer among non-smokers. The U.S. Environmental Protection Agency (EPA), the U.S. Surgeon General, and the Center for Disease Control and Prevention (CDC) strongly recommend that ALL homebuyers have an indoor radon test performed prior to purchase or taking occupancy and recommend having the radon levels professionally mitigated if elevated radon concentrations are found.

Understanding Radon Test Results

Recommended Action Levels vary by country and typically range from 3 pCi/l (100 Bq/m³) to 8 pCi/l (300 Bq/m³). Recommendations below are based on test results by a Continuous Radon Monitor (CRM) Test of at least 48h duration and are based on recommendations by the EPA.

Measured Average Radon Level:

- At or above 4.0 pCi/l (148 Bq/m³): Corrective measures to reduce exposure to radon gas is strongly recommended (ANSI MAH2014)
- Between 2-4 pCi/l (74-148 Bq/m³): Consider mitigation or periodic retest as indoor Radon levels vary by season and weather conditions
- Below 2 pCi/l (74 Bq/m³): Consider bi-annual retest or whenever significant changes to the home structure or mechanical systems occurred

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