

PERFORMANCE AND WARRANTY INFORMATION

20-322	1680 Mint River Drive, Apex, NC	November 12, 2020
Project #	Address	Date of Installation

INSTALLATION INFORMATION AND RETESTING RECOMMENDATION

Affordable Radon Mitigation, LLC, an NEHA certified and insured radon mitigation provider, has installed an active radon mitigation system at the residence referenced above.

It is recommended by the EPA and Affordable Radon Mitigation, LLC that the residence should be retested every 2 years.

WARRANTY

All components of the installed radon mitigation system are covered directly by Affordable Radon Mitigation, LLC for a period of 5 years from the date of installation above. If any component of the system either fails to operate or does not operate per manufacturer's specifications, please contact Affordable Radon Mitigation, LLC directly for repairs under warranty. There will be no charge for parts or labor during warranty period.

WARRANTY TRANSFER

This warranty is tied to the property itself. If the property is transferred to a new owner, the warranty, automatically and without notice necessary, remains valid to the new owner according to the original warranty period and terms.

PERFORMANCE

System performance is guaranteed within an acceptable range of the original post-mitigation target value. Slight fluctuations (higher and lower) in radon levels may naturally occur over time. The performance of the system is guaranteed to reduce radon levels below 4.0 pCi/L for 5 years. Larger fluctuations are considered to be material changes in the effectiveness of the radon mitigation system, and shall be addressed by Affordable Radon Mitigation, LLC under warranty. A professional radon test showing an EPA average of 4.0 pCi/L or above is required.

RESIDENCE ADDITIONS OR MODIFICATIONS

Warranty coverage may be affected by additions or modifications to the residence that negatively impact the performance or function of the radon mitigation system. These changes shall be addressed on a case by case basis. Affordable Radon Mitigation, LLC encourages homeowners to contact us prior to performing additions or modifications that may affect system performance or function.

If you have any questions or concerns, please feel free to give us a call or send us an email at any time.
Thank you for choosing Affordable Radon Mitigation, LLC for your radon mitigation needs!

Radon Inspection Report

Test Location:

Mary Kearney
 1680 Mint River Drive
 Apex, NC 27502
 kearneymb18@gmail.com

Test For:

Mary Kearney
 1680 Mint River Drive
 Apex, NC 27502
 kearneymb18@gmail.com

Inspected By:

Ben Luhrsen
 2500 Regency Parkway
 Cary, NC 27518
 919-205-8180
 Lic/Cert. # 111034 RT (NRPP)

Bldg. Type: Residential Single Family Type: Real Estate Transaction



Test Result: Below EPA Recommended Action Level

Overall Average:

2.7 pCi/l

EPA Average:

2.8 pCi/l

Test Device Details:

Serial Number: 300002838
 Model Number: 1030
 Last Calibration: 07/26/2024
 Next Calibration: 07/26/2025
 Cal-Factors: 2.55,2.50,2.52,2.47,2.40,2.43
 Motion Error: No

Test Site Condition:

Condition: Clear and Dry
 Structure Type: Single Family
 Year Built: 2019
 Sq Ft: 4446

Test Summary:

<u>CRM Location:</u>	<u>Start:</u>	<u>Stop:</u>	<u>Interval:</u>	<u>Duration:</u>
Basement	04/08/2025 11:34 AM	04/10/2025 11:34 AM	1 hr	48 hr
<u>*First 4 hrs of data excluded</u>	<u>Min:</u>	<u>Max:</u>	<u>Average:</u>	<u>Measurement Units:</u>
Radon Concentration:	1.4	4.3	2.8	pCi/l
Temperature	63.9	69.4	67.1	F
Humidity	44	52	48	%
Pressure	29.80	30.16	30.06	inHg

Comments:

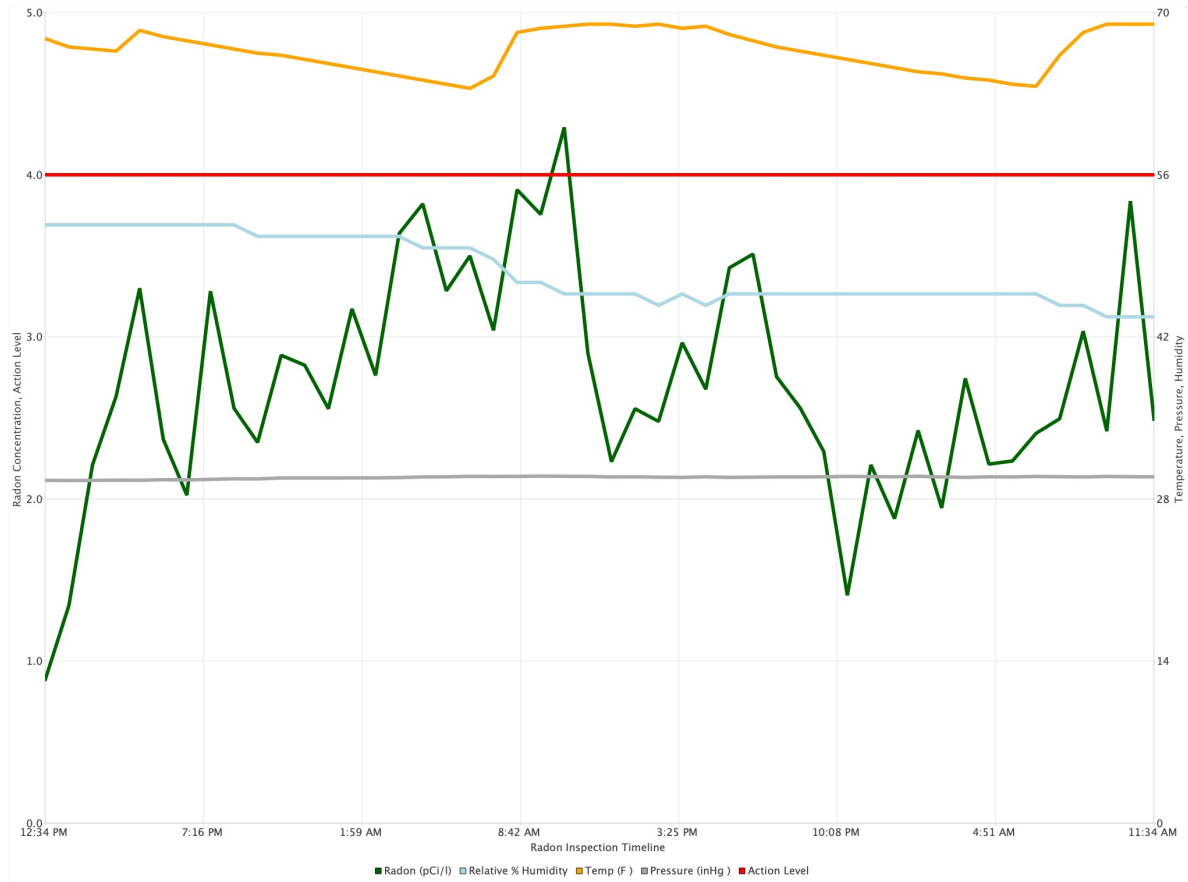
Please see EPA recommendations on the last page of this report.



Lic/Cert Signature

Inspection Report Date: 04/10/2025

Radon Inspection Chart



Test Result: Below EPA Recommended Action Level

Test Location: 1680 Mint River Drive Apex, NC 27502

Inspection Report Date: 04/10/2025

Test Checklist

- ☒ The location of the detector was selected so the detector was not to be disturbed during testing.

- ☒ The monitor was not placed in an area of high humidity such as: Kitchen, laundry room, cellar, spa room, garage, crawl space or sump area.

- ☒ 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.

- ☒ Ceiling fans, portable dehumidifiers, portable humidifiers, portable air filters, and all window air conditioners are not operated within 20 feet of the detector.

Test Result: Below EPA Recommended Action Level

Test Location: 1680 Mint River Drive Apex, NC 27502

Inspection Report Date: 04/10/2025

Test Table

* Data from first 4 hours excluded from EPA calculations

Date/Time	Radon(pCi/l)	Temp(F)	Pres(inHg)	Humidity(%)	Flags
04/08/25 12:34 PM	0.9	68.2	29.79	52	-
04/08/25 01:34 PM	1.3	67.5	29.78	52	-
04/08/25 02:34 PM	2.2	67.3	29.79	52	-
04/08/25 03:34 PM	2.6	67.1	29.81	52	-
04/08/25 04:34 PM	3.3	68.9	29.80	52	-
04/08/25 05:34 PM	2.4	68.4	29.85	52	-
04/08/25 06:34 PM	2.0	68.0	29.83	52	-
04/08/25 07:34 PM	3.3	67.6	29.88	52	-
04/08/25 08:34 PM	2.6	67.3	29.93	52	-
04/08/25 09:34 PM	2.3	66.9	29.92	51	-
04/08/25 10:34 PM	2.9	66.7	30.00	51	-
04/08/25 11:34 PM	2.8	66.4	30.00	51	-
04/09/25 12:34 AM	2.6	66.0	30.00	51	-
04/09/25 01:34 AM	3.2	65.7	30.01	51	-
04/09/25 02:34 AM	2.8	65.3	30.01	51	-
04/09/25 03:34 AM	3.6	64.9	30.03	51	-
04/09/25 04:34 AM	3.8	64.6	30.09	50	-
04/09/25 05:34 AM	3.3	64.2	30.10	50	-
04/09/25 06:34 AM	3.5	63.9	30.14	50	-
04/09/25 07:34 AM	3.0	64.9	30.13	49	-
04/09/25 08:34 AM	3.9	68.7	30.14	47	-
04/09/25 09:34 AM	3.8	69.1	30.16	47	-
04/09/25 10:34 AM	4.3	69.3	30.15	46	-
04/09/25 11:34 AM	2.9	69.4	30.14	46	-
04/09/25 12:34 PM	2.2	69.4	30.09	46	-
04/09/25 01:34 PM	2.6	69.3	30.10	46	-
04/09/25 02:34 PM	2.5	69.4	30.07	45	-
04/09/25 03:34 PM	3.0	69.1	30.05	46	-
04/09/25 04:34 PM	2.7	69.3	30.10	45	-
04/09/25 05:34 PM	3.4	68.5	30.05	46	-
04/09/25 06:34 PM	3.5	68.0	30.07	46	-
04/09/25 07:34 PM	2.8	67.5	30.09	46	-
04/09/25 08:34 PM	2.6	67.1	30.09	46	-
04/09/25 09:34 PM	2.3	66.7	30.10	46	-
04/09/25 10:34 PM	1.4	66.4	30.13	46	-
04/09/25 11:34 PM	2.2	66.0	30.12	46	-
04/10/25 12:34 AM	1.9	65.7	30.10	46	-
04/10/25 01:34 AM	2.4	65.3	30.15	46	-
04/10/25 02:34 AM	1.9	65.1	30.09	46	-
04/10/25 03:34 AM	2.7	64.8	30.05	46	-
04/10/25 04:34 AM	2.2	64.6	30.10	46	-
04/10/25 05:34 AM	2.2	64.2	30.09	46	-
04/10/25 06:34 AM	2.4	64.0	30.13	46	-
04/10/25 07:34 AM	2.5	66.7	30.11	45	-

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<u>Date/Time</u>	<u>Radon(pCi/l)</u>	<u>Temp(F)</u>	<u>Pres(inHg)</u>	<u>Humidity(%)</u>	<u>Flags</u>
04/10/25 08:34 AM	3.0	68.7	30.09	45	-
04/10/25 09:34 AM	2.4	69.4	30.13	44	-
04/10/25 10:34 AM	3.8	69.4	30.11	44	-
04/10/25 11:34 AM	2.5	69.4	30.10	44	-

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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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