

# Augusta Area Home Inspections

142 Carlton Pond Rd; Winthrop, ME 04364

Ph. 207-671-9523; [www.aahi4u.com](http://www.aahi4u.com)

Maine Radon Registration# SMC362

## Radon Test Report

<u>Address of Property to be Inspected:</u>		<u>Client Information:</u>	
Street:	366 Anywhere Road	Name(s)	John & Jane Doe
Town:	Anytown	Street:	42 Some Place Lane
State:	Maine	Town:	Anytown
Zip:	04000	State:	Maine
		Zip:	04000
		Phone:	207-207-2072

### PURPOSE OF THIS TESTING & REPORT

To provide a professional opinion of a structure's radon levels at the time of the test period, limited to the conditions identified in this report.

<u>Test Start Date:</u>	12/18/18	<u>Test Start Time:</u>	6:30 pm
<u>Test End Date:</u>	12/21/18	<u>Test End Time:</u>	7:53 am

<u>Test #1 Location:</u>	Basement	<u>Sample #:</u>	3860000	<u>Test #1 Results:</u>	6.0	pCi/L
<u>Test #2 Location:</u>	basement	<u>Sample #:</u>	3860001	<u>Test #2 Results:</u>	6.5	pCi/L

**Average radon level during the test: 6.25 pCi/L**

<u>Check</u>	<u>Summary of Results:</u>
X	Both of your test results are above the U.S. Environmental Protection Agency's maximum recommended indoor radon level of 4.0 pCi/L; and therefore, it is recommended that mitigation occur to reduce the radon levels in the home.
	One of your test results is above, and one is below the U.S. Environmental Protection Agency's maximum recommended indoor radon level of 4.0 pCi/L. The average however, is <b>above/below</b> the EPA's maximum recommended indoor radon level of 4.0 pCi/L. <b>Therefore, it is recommended that mitigation occur to reduce the radon levels in the home. Therefore, no further action is required at this time.</b>
	Both of your test results, and average, are below the U.S. Environmental Protection Agency's maximum recommended indoor radon level of 4.0 pCi/L or less; and therefore, no further action is required at this time.

## **RADON OVERVIEW:**

Radon is produced as part of the decay process of Uranium 238; and, because Uranium 238 is a naturally occurring element and is present in almost all rock, all soil and water, so too is radon. Radon enters your home through small cracks and/or gaps in your home's foundation and framing, and can permeate up through the other levels of the home. Radon can then easily be inhaled where its radioactivity causes cell damage within the lungs, in turn causing lung cancer.

### **Radon Facts:**

- Radon is a radioactive gas that cannot be seen, smelt or tasted
- Radon is the second leading cause of lung cancer, after smoking in the United States
- Radon is responsible for about 21,000 lung cancer deaths every year
- Radon is the number-one cause of lung cancer among non-smokers, according to EPA estimates
- On January 13, 2005, Dr. Richard H. Carmona, the U.S. Surgeon General, issued a national health advisory on radon

## **EXPLANATION OF TEST RESULTS**

The higher a home's radon level, the greater the health risk to you and your family; and, current and former smokers are at especially high risk for health issues when exposed to high levels of radon.

The U.S. Environmental Protection Agency (EPA) and the Surgeon General strongly recommend taking further action to reduce the radon levels in your home when the home's radon test results are 4.0 pCi/L (picocuries per liter of air) or greater. This is typically done by seeking out the services of a radon mitigation contractor for design and installation of a radon mitigation system.

**Because radon can still be a health risk at levels below 4.0 pCi/L, the U.S. Environmental Protection Agency (EPA) recommends that homeowners still consider taking additional action for reported radon levels between 2.0 and 4.0 pCi/L. With current technology it is possible to achieve radon levels of less than 2.0 pCi/L.**

Re-testing should be done every five years or if any of the following occur:

- An addition is added, or a ground contact area is occupied that was not previously tested
- Any alteration to the ventilation pattern or changes to an installed mitigation system
- Major cracks or penetrations occur in the foundation walls or slab

Thank you for choosing Augusta Area Home Inspections for your radon testing. If we can be of any further service, please feel free to contact us.

*Christopher Brown*

Signature:

December 28, 2018

Date Signed:

### **Notice from the State of Maine:**

*The Maine Radon Registration Act requires anyone who provides any radon related service to the general public must be registered by the Maine Department of Health and Human Services. You are entitled to evidence of registration from any person who provides such service or products. All radon measurement data will be sent to the Department as required in the Act and will be kept confidential.*

*If you have any questions, comments, or complaints concerning persons who provide radon related services, please contact DHHS, Station House Station 11, 386 Water Street, Augusta, Me 04333-0011 1-800-232-0842 (In State Only) or 207-287-5698*