



312-731-9391 – ph 847-963-0751 – fax
www.spyglassinspections.net

Dear **John Smith**,

Property Address: **100 Quentin Rd., Palatine, Illinois**

Thank you for allowing Spyglass Radon Testing the opportunity to perform a radon test in your home. The test has concluded that the average level of radon detected in the property located at **100 Quentin Rd, Palatine** was **2.3 pCi/l**.

This reading is **below** the US Environmental Protection Agency (EPA) and the Illinois Emergency Management Agency's Division of Nuclear Safety (IEMA) action level of 4.0 pCi/l. The EPA and IEMA recommend that any areas of a property that are deemed suitable for living that measure above the action level should be mitigated to a level below 4.0 pCi/l. Any level below the action level does not require mitigation.

This test was conducted with a continuous radon monitor and set up to perform in the property under "closed building conditions" according to EPA and IEMA standards. If in fact "closed building conditions" were maintained throughout the test, the results reflect the level of radon present during the hours the test was performed.

The EPA and IEMA suggest getting a property tested for radon every two years, or if any major changes and/or additions have been done to the property. Any additional testing or retesting is the responsibility of the person with interest in the property.

If you have any questions about IEMA radon guidelines, feel free to call the IEMA Department of Nuclear Safety at 217-782-1325.

Thank you again for choosing Spyglass Radon Testing, we hope to do business with you again in the future. If you have any questions, feel free to contact us at 312-731-9391.

Sincerely,

Amy Foley
Radon Measurement Professional
Spyglass Radon Testing, Ltd.
License #: RNI2008201



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Customer Name: **John Smith**
Street Address: **100 Quentin Rd.**
City, State Zip: **Palatine, IL 60067**

Date: **1/2/08**
Test id#: **1000**
Customer Ph #: **847-359-0000**

Test Location: **100 Quentin Rd., Palatine, IL 60067**

Note: **Customer signed agreement to maintain closed-house conditions**

Detector Placed by: **Amy Foley**

Comments: **None**

The following measurements were made with: Sun Nuclear 1027 Continuous Working Monitor

Detector Serial #	Test Rm	Start Date	Start Time	Stop Date	Stop Time	Radon pCi/L
53666034	Basement	12/30/07	01:00	01/02/08	01:00	2.3

Home Has:						Work Performed By:	Work Performed By:
<i>Sump Pump</i>	None	Not Visible		Unsealed	Airtight	Professional	Homeowner
<i>Crawlspace</i>	None	Not Visible	Concrete	Gravel/Dirt	Airtight	Professional	Homeowner
<i>Visible Cracks</i>	None	Not Visible		Unsealed	Sealed	Professional	Homeowner
<i>Visible Gaps</i>	None	Not Visible		Unsealed	Sealed	Professional	Homeowner
<i>Mitigation System</i>	None	Passive	Active	Mitigation Company:			
		Mitigation License #:			Mitigation System Date Installed:		



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Radon Test Data

Results	Data Graphs																																																																																																												
<p>Start Date : 12/30/2007 Start Time : 1:00:00 PM End Date : 1/2/2008 End Time : 1:00:00 PM Serial # : 53666034 Location : Basement</p> <p>Data in pCi/l Time Interval 1 Hr</p> <table border="0"> <tr><td>T</td><td>3.0</td><td>4.0</td><td>3.0</td></tr> <tr><td></td><td>4.0</td><td>4.0</td><td>7.6</td></tr> <tr><td></td><td>4.6</td><td>4.3</td><td>5.3</td></tr> <tr><td></td><td>3.3</td><td>3.6</td><td>4.3</td></tr> <tr><td colspan="4"> </td></tr> <tr><td></td><td>2.3</td><td>5.6</td><td>5.0</td></tr> <tr><td></td><td>4.3</td><td>5.3</td><td>7.6</td></tr> <tr><td></td><td>5.0</td><td>5.3</td><td>5.6</td></tr> <tr><td></td><td>4.6</td><td>3.3</td><td>3.0</td></tr> <tr><td colspan="4"> </td></tr> <tr><td></td><td>4.0</td><td>1.6</td><td>5.0</td></tr> <tr><td></td><td>5.6</td><td>7.3</td><td>3.3</td></tr> <tr><td></td><td>4.3</td><td>4.0</td><td>2.0</td></tr> <tr><td></td><td>3.3</td><td>4.0</td><td>4.3</td></tr> <tr><td colspan="4"> </td></tr> <tr><td></td><td>5.3</td><td>6.0</td><td>4.6</td></tr> <tr><td></td><td>3.6</td><td>5.6</td><td>4.3</td></tr> <tr><td></td><td>2.0</td><td>4.6</td><td>7.3</td></tr> <tr><td></td><td>5.6</td><td>4.6</td><td>2.6</td></tr> <tr><td colspan="4"> </td></tr> <tr><td></td><td>4.3</td><td>4.0</td><td>2.3</td></tr> <tr><td></td><td>5.6</td><td>2.0</td><td>5.6</td></tr> <tr><td></td><td>3.6</td><td>6.0</td><td>4.6</td></tr> <tr><td></td><td>3.3</td><td>3.3</td><td>1.6</td></tr> <tr><td colspan="4"> </td></tr> <tr><td></td><td>5.3</td><td>3.6</td><td>1.6</td></tr> <tr><td></td><td>4.6</td><td>4.6</td><td>3.3</td></tr> </table> <p>Overall Avg.= 2.3 EPA Protocol Avg.= 2.3</p>	T	3.0	4.0	3.0		4.0	4.0	7.6		4.6	4.3	5.3		3.3	3.6	4.3						2.3	5.6	5.0		4.3	5.3	7.6		5.0	5.3	5.6		4.6	3.3	3.0						4.0	1.6	5.0		5.6	7.3	3.3		4.3	4.0	2.0		3.3	4.0	4.3						5.3	6.0	4.6		3.6	5.6	4.3		2.0	4.6	7.3		5.6	4.6	2.6						4.3	4.0	2.3		5.6	2.0	5.6		3.6	6.0	4.6		3.3	3.3	1.6						5.3	3.6	1.6		4.6	4.6	3.3	
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THE AVERAGE RESULTS WERE **BELOW** EPA GUIDELINES

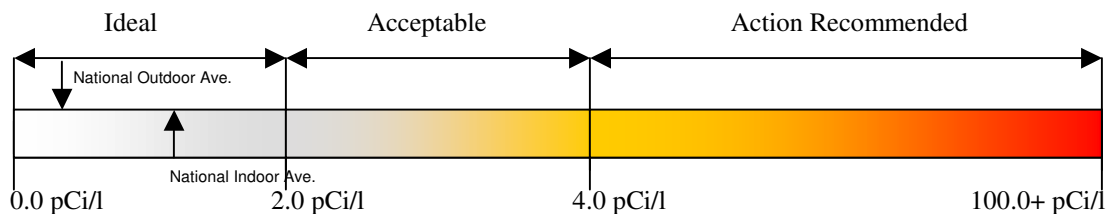
The EPA recommends that any lived-in areas of a home that measure greater than 4.0 pCi/l (or any areas that are suitable for occupancy without renovation, if the home is involved in a Real Estate Transaction) be mitigated to below 4.0 pCi/l. If the measurement is below 4.0 pCi/l then additional mitigation to reduce the levels is not necessary. It is the client's obligation to inform the dwelling occupants of the results of the measurement. If the radon level measures below 4.0 pCi/l, no further action is necessary.

Note: Homeowner is responsible for additional follow-up testing. Retesting should take place with each change of ownership, structural alterations to the dwelling that changes the ventilation pattern, major cracks occurring in the foundation or nearby blasting or earthquakes, following the installation of a mitigation system and after every two years.

There is uncertainty with any measurement result due to statistical variations, daily and seasonal radon variations due to changes in the weather and operation of the dwelling as well as possible interference with the necessary test conditions that may or may not influence the results.

Radon results tend to vary. We accept no liability for any or all loss due to the results of this or these tests.

US EPA Radon Scale



- **US EPA recommends mitigation for Radon levels at 4.0 pCi/l or above**
- **0.3 is the National Average Outdoor Level**
- **1.3 is the National Average Indoor Level**
- **37% of homes in the Chicagoland Area test at or above 4.0 pCi/l**

U.S. SURGEON GENERAL HEALTH ADVISORY

“Indoor radon is the second-leading cause of lung cancer in the United States and breathing it over prolonged periods can present a significant health risk to families all over the country. It’s important to know that this threat is completely preventable. Radon can be detected with a simple test and fixed through well established venting techniques.” January 2005

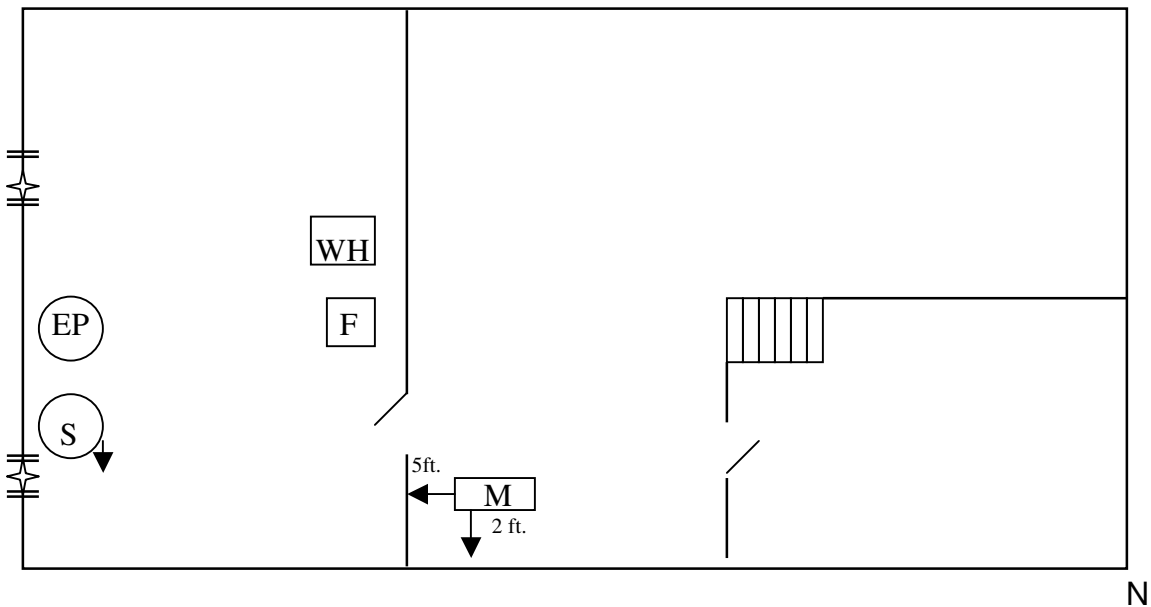
**SURGEON GENERAL’S WARNING:
Radon causes lung cancer.**



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Test Diagram

100 Quentin Rd. Palatine, Illinois



<u>Key</u>	
S = Sump Pump	= Window
EP = Ejector Pit	MS = Mitigation System
M = Monitor	WH = Water Heater
F = Furnace	☆ = Tamper Tape
AS = Active Mitigation System	PS = Passive Mitigation System