

# RADON GAS MEASUREMENT REPORT

Report prepared for: The Home Examiner  
Tested property: Grand Rapids, MI

April 10, 2007

This is the report of a radon gas screening measurement. The measurement was performed using a continuous radon monitor (CRM), and was performed in conformance with test protocols established by the U.S. Environmental Protection Agency in the document entitled "Protocols for Radon and Radon Decay Product Measurements in Homes."

The report on the second page is a readout of the test result that was obtained from the CRM upon completion of the entire measurement period.

The result of your recent Radon evaluation is **12.7** pCi/l. (picoCuries of radon per liter of air)

The measurement period was **48** hours.

Test Date/Time Start – **4/8/07 1:00 PM** End – **4/10/07 1:30 PM**

During the measurement period radon gas measurements were recorded **once** every hour.

The serial number of the CRM deployed for this measurement is: **2114146** Sun Nuclear Corporation.

CRM was located in the **Basement**

Currently EPA has set forth an action guideline for averaged exposure readings of **4.0** pCi/l and above. If your results are greater than this level, a determination should be made as to whether to engage in follow-up testing, or seek remediation advise. EPA does recommend retesting homes every three years.

The radon gas measurement was completed and there is no evidence that the CRM was tampered with in any way. Therefore, the average values contained in this report reflect the radon gas concentration at the time of the test and should not be construed as either predictive or supportive of a similar measurement conducted at another time in the same structure.

## Explanation of Report Data:

**Tabular Data:** This portion of the report provides a numerical listing of the radon gas measurements that were made throughout the measurement period.

**Average:** This portion of the report gives the average radon gas concentration measured during the entire measurement period. This average is computed in two ways. The "Overall Average" is the simple average of all of the values listed in **Tabular Data**. The "EPA Average" is the simple average of all of the values listed in **Tabular Data**, except those values recorded during the first twelve hours of the measurement period. The "EPA Average" is computed in a manner consistent with the protocols cited above.

**Bar Graph:** This section provides a graphic representation of the values that are listed in the **Tabular Data**.

**Other Information:** In the printout, the letter "p" or "T" may appear next to a given value. The "p" indicates that, during this measurement interval, the power was disconnected from the CRM. The "T" indicates that, during this measurement interval, the CRM was disturbed or moved.

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The Home Examiner, LLC  
Radon Test Data

Data in pCi/l  
Time Interval 1 Hr

1.6 6.0 7.2  
8.6 6.2 9.6  
6.2 8.6 7.0  
13.0 14.0 13.6

12.0 13.6 15.6  
10.0 16.0 17.2  
12.6 12.2 13.6  
11.0 13.6 15.0

8.2 12.2 13.6  
12.6 19.2 13.6  
13.6 9.2 14.6  
10.6 13.2 17.0

18.0 20.6 16.6  
14.2 10.0 11.2  
9.2 9.6 12.0  
10.6 14.0 8.6

Overall Avg.=12.1  
EPA Protocol Avg.=12.7

