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## Radon Certificate of Calibration

The following radon monitor was placed in the calibration chamber:

**SNC Serial No: 35531016**

Model No: 1027

<u>Actual Reading</u>	<u>Error %</u>	<u>Correction Factor</u>	<u>Background</u>
255.8 pCi/l	-1.6%	1.01633	.1

The Rn-222 gas concentration in the chamber, over the measurement interval was:

260.0 pCi/l,  $\pm 10\%$  as measured with 100ml scintillation cells

**The correction factor is a multiplicative and can be applied to the displayed value on the monitor.**

The accuracy of this radon monitor per EPA and Proficiency recommendation is  $\pm 25\%$  or 1 pCi/l, which ever is greater, after a 24 hour period of deployment.

This instrument has been calibrated in accordance with the specifications set forth by the manufacturer. Radon gas calibrations are traceable to the NIST SRM 4973 Radon emanation standard.

The error of the chamber concentration is a best estimate based upon typical inter-comparison results with Bowser Morner Reference Laboratory. The most recent inter-comparison in which Sun Nuclear participated, December 2009, resulted in a 5.2% error in our reported measurement.

Frequency of re-calibration may vary depending upon local, state, or proficiency program requirements.

Sun Nuclear Corporation has successfully met the established and published requirements for Accreditation by the National Radon Safety Board as an accredited chamber. Certification No: NRSB TRC6001 expiring November 2010.

Calibration Date: 8/18/2010 Next Calibration Date: 8 / 2011

Technician: 

Please retain this document for record keeping purposes.