

## Hazardous Substance & Waste Management Research, Inc.

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**DATE:** 11 October 2023

**SUBJECT:** FSU Gate Control Booth Wellness Center - Radon Evaluation

The Gate Control Booth at the Wellness Center at Florida State University (FSU) has been evaluated for radon content due to indoor air quality questions that have been raised regarding other buildings on the FSU campus. From September 18 to 20, 2023, a single Continuous Radon Monitor (CRM) device was placed in the small Gate Control Booth. The 48-hour CRM measurement was collected in accordance with standard protocols of the United States Environmental Protection Agency (USEPA) and the Florida Department of Health (FDOH). The radon value was less than the 4 picoCurie/liter (pCi/L) USEPA Action Level (0.3 pCi/L). Results for the September 2023 sampling event are summarized in the attached table.

Detectable radon levels are ubiquitous throughout the state, with most areas of Florida exhibiting low radon. Outdoor levels typically are in the 0.4 to 0.5 pCi/L range, and indoor levels regularly range from 1 to 2 pCi/L. Radon comes from decay of natural radium, and elevated indoor radon is related to local geology. Radon often is present in clays, phosphate rock, and igneous rocks, like granite, and can originate from bedrock far below land surface. Because it is a naturally occurring substance, exposure is common and unavoidable.

The data summarized herein reflect a condition that is consistent with many buildings in Florida and throughout the United States, and the radon conditions at the Gate Control Booth at the Wellness Center do not represent a health concern. Further investigation regarding radon is not recommended at this time.

**RADON MEASUREMENTS - Gate Control Booth Wellness Center, Florida State University**

<b>Location</b>	<b>Sampling Dates</b>	<b>Number of Samples</b>	<b>Min pCi/L</b>	<b>Max pCi/L</b>	<b>Notes</b>
First Floor	18 to 20 Sep 2023	1	0.3	0.3	No results > 4 pCi/L

pCi/L = picocuries per liter