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# HSWMR

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**TO:** Laymon Gray  
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**DATE:** 14 July 2023

**SUBJECT:** FSU Biomedical Research Facility - Radon Evaluation

The Biomedical Research Facility (BRF) 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 June 20 to 22, 2023, radon measurements were collected at ten (10) locations at BRF. The 48-hour charcoal canister measurements were collected by a state-certified radon contractor, in accordance with standard protocols of the United States Environmental Protection Agency (USEPA) and the Florida Department of Health (FDOH). All ten of the radon values were below the 4 picoCurie/liter (pCi/L) USEPA Action Level (all results below detectable levels at < 0.4 pCi/L). Results for the June 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 Biomedical Research Facility do not represent a health concern. Further investigation regarding radon is not recommended at this time.

**RADON MEASUREMENTS - Biomedical Research Facility, 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	20 Jun to 22 Jun 2023	10	< 0.4	< 0.4	No results > 4 pCi/L

pCi/L = picocuries per liter