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SUBJECT: FSU Lakefront Park - Radon Evaluation

The Lakefront Park buildings at Florida State University (FSU) have been evaluated for radon content due to indoor air quality questions that have been raised regarding other buildings on the FSU campus. From August 09 to 11, 2023 and August 23 to 25, 2023, radon measurements were collected at twenty (20) locations from eleven (11) buildings at Lakefront Park. The 48-hour charcoal canister and continuous radon monitor (CRM) 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 of the radon values in all of the buildings were less than the 4 picoCurie/liter (pCi/L) USEPA Action Level (ranging from below detectable levels at <0.4 pCi/L to 1.2 pCi/L). Results for the August 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 Lakefront Park do not represent a health concern. Further investigation regarding radon is not recommended at this time.

RADON MEASUREMENTS - Lakefront Park Buildings, Florida State University

Location	Sampling Dates	Number of Samples	Min <i>pCi/L</i>	Max <i>pCi/L</i>	Notes
First Floor	09 Aug to 11 Aug 2023 and 23 Aug to 25 Aug 2023	20 samples in 11 buildings	<0.4	1.2	No results > 4 pCi/L

pCi/L = picocuries per liter