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SUBJECT: FSU Satellite Utilities Plant #2 - Radon Evaluation

The Satellite Utilities Plant #2 (Utilities Plant #2) 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 January 17 to 19, 2023, radon measurements were collected at four (4) locations at Utilities Plant #2. 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). None of the radon values at any location were greater than the 4 picoCurie/liter (pCi/L) USEPA Action Level (all results were <0.4 pCi/L). Results for the January 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 Satellite Utilities Plant #2 do not represent a health concern. Further investigation regarding radon is not recommended at this time.

RADON MEASUREMENTS - Satellite Utilities Plant #2, Florida State University

Location	Sampling Dates	Number of Samples	Min pCi/L	Max pCi/L	Notes
First Floor	17 to 19 January 2023	4	<0.4	<0.4	No results > 4 pCi/L

pCi/L = picocuries per liter