

Hazardous Substance & Waste Management Research, Inc.

2976 Wellington Circle West
Tallahassee, Florida 32309
Phone: (850) 681-6894
Fax: (850) 906-9777
www.hswmr.com

FROM: Dr. Christopher M. Teaf
President & Director of Toxicology

TO: Laymon Gray
Associate Director
Environmental Health & Safety
Florida State University

DATE: 02 March 2023

SUBJECT: FSU Library Technical Services Building - Radon Evaluation

The Library Technical Services Building 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 February 13 to 15, 2023, radon measurements were collected at six (6) locations at the Library Technical Services Building. The 48-hour charcoal-liquid scintillation vial 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 were greater than the 4 picoCurie/liter (pCi/L) USEPA Action Level (range 0.5 to 0.7 pCi/L). Results for the February 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 Library Technical Services Building do not represent a health concern. Further investigation regarding radon is not recommended at this time.

RADON MEASUREMENTS - Library Technical Services Building, Florida State University

Location	Sampling Dates	Number of Samples	Min <i>pCi/L</i>	Max <i>pCi/L</i>	Notes
First Floor	13 to 15 February 2023	6	0.5	0.7	No results > 4 pCi/L

pCi/L = picocuries per liter