**HSWMR**

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**DATE:** 11 October 2023

**SUBJECT:** FSU Multipurpose Educational Facility - Radon Evaluation

The Multipurpose Educational Facility (MEF) 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, four (4) Continuous Radon Monitor (CRM) devices were placed in the MEF. The 48-hour CRM measurements were collected in accordance with standard protocols of the United States Environmental Protection Agency (USEPA) and the Florida Department of Health (FDOH). The results for one of the devices were deemed unreliable, based on contact with the manufacturer, as all of the subsamples recorded a value of 0.0 pCi/L. The radon values for the other three devices were less than the 4 picoCurie/liter (pCi/L) USEPA Action Level (range of 0.7 pCi/L to 1.1 pCi/L). It was determined that three samples provided sufficient coverage to evaluate the building. 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 Multipurpose Educational Facility do not represent a health concern. Further investigation regarding radon is not recommended at this time.

**RADON MEASUREMENTS - Multipurpose Educational Facility, Florida State University**

| Location | Sampling Dates | Number of Samples | Min *pCi/L* | Max *pCi/L* | Notes |
|---|---|---|---|---|---|
| First Floor | 18 to 20 Sep 2023 | 3 | 0.7 | 1.1 | No results > 4 pCi/L |

pCi/L = picocuries per liter