DESIGN GUIDELINE 4.11
RADON MITIGATION

Scope

Radon mitigation systems and radon testing.

Reference Documents:

Subcommittee Report on the University of Michigan Radon Policy (Approved by the U-M Radiation Policy Committee, June 11, 2009)

ANSI/AARST CC-1000 2018, Soil Gas Control Systems in New Construction of Multifamily, School, Commercial and Mixed-Use Buildings (May 2023)

Radon Mitigation

Recommend incorporation of an active radon mitigation system into the building design, with the capability of reducing radon below the U-M action level of 4 pCi/L, if:

- An existing building is being replaced (in the same location) or renovated and has an active radon mitigation system (due to a history of elevated radon levels)
- New construction is adjacent to a building with an active radon mitigation system due to a history of elevated radon levels.

For all other new construction, recommend incorporation of a passive radon mitigation system (i.e., no exhaust fan) into the building design, to which a fan can be added in the future if mitigation is needed (based on testing results).

The project should consult a qualified radon mitigation professional for advice on selection, installation, and maintenance of an appropriate mitigation system for the building design.

Radon testing should be performed by EHS/RSS after construction is complete and before building occupancy; contact EHS/RSS (EHSRadSafety@umich.edu) to arrange for testing.