

SUBSURFACE MOISTURE AND SOIL-GAS MIGRATION: CURRENT RECOMMENDATIONS FOR MANAGING MOISTURE, RADON, METHANE, AND VAPOR INTRUSION RISKS THROUGH SLABS

TUESDAY, MARCH 3 | 11:00 AM - 12:00 PM PACIFIC | VIRTUAL

**REGISTER
NOW**

This technical webinar will provide an in-depth examination of the science governing below-slab moisture vapor and soil-gas migration, including diffusion, advection, and pressure-driven transport through soils and concrete slabs. The program will explore how these mechanisms apply across a spectrum of site conditions; from conventional moisture control to vapor intrusion at contamination-impacted sites—and how below-slab barrier systems can be used as effective, durable tools to manage these risks.

After the Webinar, Participants Will Be Able To:

- Better understand the fundamental mechanisms driving moisture vapor and soil-gas migration beneath and through concrete slabs, including pathways relevant to vapor intrusion, radon, and methane.
- Distinguish between water vapor barriers and chemical vapor intrusion barriers, including their performance characteristics, limitations, and appropriate use conditions.
- Identify design, construction, and installation considerations that influence the effectiveness of below-slab barrier systems across varying foundation types and site conditions.
- Recognize how evolving codes, standards, and regulatory guidance are influencing below-slab mitigation strategies and geotechnical recommendations.
- Apply updated, technically defensible guidance that can be incorporated into geotechnical reports and environmental site assessments (ESAs) to improve moisture and vapor migration recommendations and better inform downstream design and construction teams.



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