



MonoShield Protects Affordable Senior Housing Complex

Vapor Intrusion Mitigation Protects New Multi-Story Residential Development in the Great Lakes Region

Site Details

Location

Great Lakes Region, MI

Contaminants

Chlorinated solvents

Building Use

Senior housing facility

Project Summary

A new four-story affordable senior housing development is being constructed on a long-vacant urban property in the Great Lakes region. The project will provide 49 residential units for older adults, helping meet local housing needs while revitalizing an underutilized site. Because chlorinated solvent impacts posed a potential vapor intrusion risk, the project team incorporated a long-term vapor mitigation strategy into the building design to protect future residents.

Application

MonoShield® was selected for its durability, chemical resistance, and installation efficiency. Installed beneath the building footprint, it provides a continuous barrier against potential chlorinated solvent vapor migration. A Land Science certified applicator installed the system according to manufacturer specifications and project quality requirements. Integrated into construction, MonoShield provides long-term vapor protection while supporting project completion goals.

Results

The completed MonoShield system provides long-term vapor intrusion protection for future residents while supporting redevelopment of a previously underutilized urban property. By incorporating vapor mitigation during new construction, the project team implemented a durable risk-management solution without disrupting the development schedule. The project will transform long-vacant land into affordable senior housing and community-serving space, helping support neighborhood stability while providing a safe indoor environment for future residents.