MonoShield®
Reinforced Metalized
Contaminant Vapor Barrier

MonoShield Project Snapshot

Preemptive Vapor Intrusion Mitigation Paves the Way for Long Island Housing Redevelopment

MonoShield Protects New Residential Development on Former Industrial Property

Site Details

Location
Long Island, New York

Building Use
Housing Redevelopment

Installation
32,000 sq. ft. of MonoShield

Project Summary

A former industrial property redeveloped into a multi-building affordable housing complex required proactive measures to address potential vapor intrusion risks from historical land use, including concerns related to contamination in subsurface soils and soil gas.

To protect future residents and maintain construction schedules, the project team installed a preemptive vapor intrusion mitigation system beneath the building foundations, supporting safe redevelopment and long-term community revitalization.

Application

MonoShield® was selected as the vapor intrusion mitigation solution due to its ease of installation and durability–both critical elements for this time-sensitive project. A Land Science Certified Applicator, installed approximately 32,000 square feet of MonoShield beneath the building slabs according to material specifications and followed all quality assurance measures as per the design, including smoke testing.

Results

The integration of MonoShield as part of the preemptive vapor mitigation system delivered a reliable, long-term solution that protects future residents and supports regulatory compliance. By addressing potential vapor intrusion risks preemptively, the project advanced without delay and contributed to the successful redevelopment of an underutilized property into much-needed affordable housing. The approach demonstrates how proactive mitigation strategies can support community-focused redevelopment while safeguarding occupant health.

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