TerraShield
Metalized Nitrile
Contaminant Vapor Barrier

TerraShield Project Snapshot

TerraShield Utilized at Industrial Facility

Preemptive Solution Mitigates Potential TCE Vapor Intrusion Threat at Ohio Site

Highlights

- Industrial Facility Expansion Above Zone of TCE Impacts
- 16,000 Square Feet of TerraShield Installed

Project Summary

New structures are being constructed at an active industrial facility in Ohio undergoing plant expansion. The site is located above a contamination zone where trichloroethene (TCE) has impacted the soil and groundwater, creating a contaminant plume and a vapor intrusion (VI) risk exceeding U.S. EPA's Industrial VI Standards. To address this potential VI risk, the consulting team aimed to implement a preemptive VI mitigation solution that would meet regulatory requirements without impeding the development schedule. The team selected Land Science's TerraShield Vapor Barrier due to its high chemical resistance, excellent constructability, and competitive pricing.

Application

TerraShield was installed by Buckeye Elm Contracting, a highly experienced Land Science Certified Applicator, who ensured the installation was performed according to the manufacturer's specifications. A Land Science certified inspector was on site to oversee all QA/QC procedures, including smoke testing.

Results

By integrating Land Science's TerraShield Vapor Barrier, the new building complex is protected by the highest level of chemical resistance. This passive VI mitigation solution satisfies the regulatory requirements for protecting building occupants. Additionally, by eliminating the need for additional rounds of environmental testing to confirm the absence of a VI risk, this preemptive solution facilitated the building expansion without causing unnecessary delays.

Copyright © 2024. All rights reserved. TerraShield and Land Science are trademarks of REGENESIS Bioremediation Products. All other trademarks are property of their respective owners.

Land Science
a division of REGENESIS