

Geo-Seal® Becomes First Vapor Intrusion Mitigation Barrier Approved Under Florida Cleanup Program

Florida Department of Environmental Protection Approves GeoSeal Under the Drycleaning Solvent Cleanup Program

Project Highlights

- First vapor intrusion mitigation barrier approved by the Florida Department of Environmental Protection's (FDEP) under the Drycleaning Solvent Cleanup Program (DSCP)
- Former drycleaner site successfully redeveloped and protected from harmful PCE and TCE contaminants
- National pharmacy retail chain selects Geoseal® as part of construction plans

Project Summary

To accommodate a planned expansion, CVS Pharmacy acquired an adjoining vacant building (approximately 3000 ft²) which formerly operated as a commercial dry cleaning facility. Site investigations revealed chlorinated solvent contamination in groundwater beneath the building, including tetrachloroethene (PCE) and trichloroethene (TCE).

The site was entered into the FDEP's Drycleaning Solvent Cleanup Program. In order to prevent chlorinated contaminant vapor intrusion, Golder Associates designed a mitigation system using the Geo-Seal Vapor Intrusion barrier. A soil vapor extraction system and monitoring wells were also installed to effectively treat the subsurface contamination.

This was the first vapor intrusion mitigation installation approved by the FDEP under the Florida DSCP. The Florida Legislature created the DSCP in 1994 to provide a source of funding for rehabilitating sites and drinking water supplies contaminated by drycleaning solvents. This was the first such program in the nation.

Technology Description

Geo-Seal is a gas vapor management technology designed to eliminate vapor intrusion on Brownfields or any type of environmentally-impaired site.

Geo-Seal is a chemically-resistant material placed between the foundation of the building and the soil pad to eliminate vapor intrusion pathways and stop contaminant vapors from permeating through the slab. By installing Geo-Seal, developers can ensure a healthy indoor environment while reducing the cost of site remediation and expediting site construction.



Site Details

Site Type: Former dry cleaning facility

Contaminants of Concern: PCE, TCE,

Vapor Intrusion Solution: Vapor intrusion barrier

Treatment Area: 3000 ft²

Technology Used:  **Geo-Seal**
Vapor Intrusion Barrier



1011 Calle Sombra San Clemente, CA 92673
T: 949.481.8118 | www.landsciencetech.com

