

# Combined Technologies Treat BTEX, TPHg, and TPHd at Former Car Dealership in Texas

## Project Highlights

- Geo-Seal<sup>®</sup> applied to over 150,000 ft<sup>2</sup>
- Client plans to use Geo-Seal and Vapor-Vent<sup>™</sup> for future projects

## Project Summary

Texas is experiencing a building boom and real estate investors are eager to build multi-family apartments on available land. A well-known real estate developer recently purchased the site of a former car dealership where BTEX, TPHg and TPHd levels exceeded regulatory guidelines. The developer needed a quick and effective solution to mitigate the vapor intrusion present and turned to HRT Construction, an experienced contractor. The Geo-Seal and Vapor Vent systems were selected by HRT Construction to mitigate the vapor intrusion found.

## Technology

**Geo-Seal** is a vapor management technology designed to eliminate vapor intrusion found on environmentally-impaired sites. 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. The use of Geo-Seal allows developers to mitigate vapor intrusion risks and ensures a healthy indoor environment, while reducing the cost of site remediation and expediting site construction. Installing a Geo-Seal system offers developers a lower total cost to remediate and move redevelopment projects forward.

**Vapor-Vent** is a low-profile vent system that can be used in lieu of slotted PVC pipe. The speed of installation and the proximity of the vent to the barrier provide cost savings and performance benefits compared to other technologies.

## Results

HRT was able to successfully install Geo-Seal and Vapor-Vent on over 150,000 ft<sup>2</sup>. Vapor intrusion levels were addressed and the project moved forward with the development of a multi-family apartment complex.

## About the Applicator

HRT Construction is an experienced and quality-driven contractor. HRT's core set of principles are rooted in absolute commitment to customer satisfaction and timely completion of work. HRT's experience in the construction industry has evolved and grown with the demands of their business. Experience encompasses Construction Management, Design/Build, Real Estate, and Competitive Bid Services.



## Site Details

**Site Type:** Auto Dealership

**Contaminant of Concern:** BTEX, TPHg, & TPHd

**Solution:** Vapor intrusion barrier

**Treatment Area:** 150,000 ft<sup>2</sup>

**Technology Used:** Geo-Seal & Vapor-Vent

