
Vapor extraction & thermal treatment for gasoline cleanup (Inglewood, California)

A large gasoline subsurface release was discovered after a 6,000-gallon underground storage tank was removed. The client retained Lindmark Engineering to investigate the release, as well as to expeditiously evaluate remediation options and select and implement the most cost-effective and sound alternative. The site, a medical center, contained an office building and warehouses.

Because the contamination was limited to the depth of a competent clay layer at 90 feet below ground surface and there was no groundwater impact, we recommended vapor extraction and thermal treatment. The system operated for almost three years, until asymptotic conditions had been achieved after the recovery of approximately 49,000 pounds of gasoline. (The asymptotic limit is the point at which continued treatment will not yield sufficient benefits to human health and the environment to be practical or cost-effective.)

Rebound testing then indicated minimal rebound, and verification sampling further confirmed that the cleanup goals had been achieved and the site was closed by the Los Angeles County Department of Public Works. The project was completed for \$300,000. *Client: Tenet Health System*

For more information on this project, please contact Lindmark Engineering at (818) 707-6100 or ulf.lindmark@efiglobal.com.