
Groundwater extraction & vapor extraction for gasoline & TCE cleanup (Los Angeles, California)

Lindmark Engineering performed site investigations of soil and groundwater conditions and designed and specified a remediation system for a school site where releases of gasoline from an old underground storage tank system had contaminated soil and groundwater. In addition, TCE from an unknown source had contaminated groundwater at the site.

We designed a soil and groundwater treatment system consisting of fifteen vapor-extraction wells: five wells for vapor extraction only, eight for combined vapor and groundwater extraction, and two for combined vapor, groundwater, and product extraction. The treatment system also included a 1000-cfm catalytic oxidizer, a hydrochloric acid scrubber, an air-stripping tower, an oil-water separator, a 500-gallon product storage tank, and two 1,200-pound carbon canisters. We developed and submitted a remedial investigation work plan to the California Department of Toxic Substances Control and performed groundwater monitoring and operation and maintenance of the remediation system for several years. Lindmark Engineering's part of the remediation at the site exceeded \$1.5 million. *Client: Los Angeles Unified School District*

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