Soil & groundwater investigation & vapor extraction for gasoline cleanup (Huntington Beach, California)

Lindmark Engineering conducted a site investigation in which we drilled soil borings and installed groundwater monitoring wells at a site containing gasoline and diesel underground storage tanks within an operating school transportation service facility. We defined the lateral and vertical extent of hydrocarbon contamination; the main chemicals of concern were benzene and MTBE.

Lindmark Engineering then prepared a remedial action plan, which was approved by the Orange County Health Care Agency. After designing and installing the vapor extraction system (including vapor extraction wells and piping) and the activated carbon system for polishing and scrubbing vapors, we began the remediation portion of the project. During a nine-month period, the system removed approximately 3,800 pounds of petroleum hydrocarbons. After the hydrocarbons were removed, we conducted a two-week rebound test and soil confirmation sampling to ensure that the subsurface soils were remediated. Following their review the rebound test report and the confirmation soil sampling report, the Orange County Health Care Agency granted site closure with no further action required.
Client: Huntington Beach Union High School District

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