
Soil & groundwater remedial investigation & PCE remediation: well investigation program (City of Industry, California)

LE conducted a remedial investigation at a die casting and metal forging company whose property is located in the Puente Valley Operable Unit of the San Gabriel Valley Superfund site. This area is known in general to have many sources contributing to overall poor water quality. We sampled areas of potential environmental concern and identified chlorinated solvents in both soil and groundwater. After installing a variety of extraction and monitoring wells and probes, we completed soil vapor extraction pilot testing. We then installed a temporary vapor extraction system while awaiting approval of our corrective action plan before bringing the full system on-line.

After a little over a year in operation, the full-range vapor extraction system decreased concentrations of volatile organic compounds in soil by a factor of 500 and also affected chlorinated solvent concentrations in groundwater. (PCE [tetrachloroethene] concentrations were reduced a hundredfold.) We conducted rebound tests to ensure that no hidden pockets of contamination remained and then achieved site closure from the California Regional Water Quality Control Board after a period of quarterly groundwater monitoring. *Client: Lansco Die Casting*

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