
Soil & groundwater investigation: solvent, jet fuel, & lead contamination at municipal airport (Santa Monica, California)

Lindmark Engineering investigated the lateral and vertical extent of contamination in soil and groundwater by concentrations of chlorinated solvents, jet fuel and lead at a municipal airport. Unique site features included a perched aquifer with free-floating product and a deeper aquifer with concentrations of dissolved solvents and petroleum hydrocarbons. The investigation was complicated due to unknown sources of contamination and the absence of groundwater in some areas.

We carried out the investigation in phases to allow for evaluating new data at each step before proceeding with the next phase. Work at the site included researching past land use, drilling soil borings, installing groundwater monitoring wells, performing bail-down tests, and removing free product from the wells. We also conducted a remedial investigation and feasibility study and submitted a report of the results. The next phase of work will entail soil and groundwater remediation. *Client: City of Santa Monica*

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