
Preliminary Environmental Assessment at proposed school site (Los Angeles, California)

The Los Angeles Unified School District retained Lindmark Engineering to complete a Preliminary Environmental Assessment to evaluate historical information for indications of the past use, storage, disposal or release of hazardous substances at a 2.72-acre proposed school site, and establish the amount, concentrations and extent of hazardous substances in soil-matrix and soil-gas beneath the site. We installed 30 soil borings and 26 soil-gas probes to 20 feet below ground surface and conducted a soil-gas survey that had been required by the California Department of Toxic Substances Control (DTSC) to evaluate contamination by volatile organic compounds. We conducted the soil-gas survey throughout the site consisting of 18 parcels with multiple owners and operators, including areas formerly occupied by underground storage tanks, aboveground tanks, clarifiers, a spray booth, cooling towers, and metal plating shops.

Based on the results of the field investigation and analytical data, we estimated the potential risk to public health and the environment due to the presence of hazardous substances by completing a conservative human health screening evaluation following DTSC guidance. We also investigated the site for the presence of methane and hydrogen sulfide occurring from the Los Angeles Downtown and Las Cienegas Oil Fields located in an east-to-west arc about 1 mile south of the site. Our investigation concluded that there was no significant health risk. However, localized and elevated concentrations of lead were detected, and we therefore recommended targeted removal of this contaminated soil. *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.