
Investigation & excavation of gasoline-contaminated soil (Los Angeles, California)

Lindmark Engineering was retained to perform a turnkey site assessment and remediation project at a former gasoline service station site where tank leakage had occurred. The site, proposed for development into a convent and liturgical center, was regulated under the Business Revitalization Section of the California Regional Water Quality Control Board. The project was complicated by the sensitive nature of the proposed development and time constraints to achieve site closure.

We initially assessed the site by conducting a geophysical survey of the existing underground storage tanks, followed by digging exploratory trenches, drilling soil borings, installing groundwater monitoring wells, and purging and sampling the wells. The release had occurred primarily in a narrow, triangular-shaped area at a busy street corner. After assessing the site, we proceeded to remove four underground tanks and two underground hydraulic hoists and then excavated about 950 tons of hydrocarbon-contaminated soil to a depth of 25 feet below the surface. We collected confirmation soil samples from the sides and bottom of the excavation and submitted them to an on-site mobile laboratory for analysis.

Based on the analytical results of the confirmation soil samples and groundwater samples from the wells, we recommended site closure. The agency concurred, granting site closure with no further action with respect to site assessment and remediation of hydrocarbon contamination in soils and groundwater.

Client: Marland Company/A.C. Martin Partners

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