

## Solvent Recycling Facility

The facility is located in Inglewood, California, in a predominantly industrial and commercial area near Los Angeles International Airport (LAX). The 1.1-acre facility recycles solvents and is classified as a Resource Conservation and Recovery Act (RCRA) Hazardous Waste Facility. In September 1990, the Department of Toxic Substances Control (DTSC) granted a Hazardous Waste Facility Permit which allowed the facility to transfer, treat, and store hazardous waste.

The facility began operations in 1953 and initially included bulk storage and distribution of oils, lubricants, and solvents. In 1964, the facility began recycling waste solvents, and in 1974, began repackaging and distributing virgin solvents. The facility is currently used for liquid fuel blending, solvent recycling, and solvent distribution. The facility also accepts solid waste for fuel blending.

**Aquilogic** staff were involved in on- and off-site groundwater investigations to characterize the extent of vertical and lateral contamination by volatile organic compounds (VOCs), 1,4-dioxane, and hexavalent chromium. The investigations included installing groundwater monitoring wells using hollow-stem auger and sonic drilling techniques. The sonic drilling methods involved drilling through multiple aquitards using telescoping methods, to prevent cross-contamination between aquifers, and installing monitoring wells screened up to 200 feet below ground surface (bgs). **Aquilogic** staff was also involved in groundwater flow velocity profiling in shallow and deep groundwater monitoring wells. This process involved injecting a sodium bromide (NaBr) solution into the aquifer and monitoring the concentration decline over time due to dilution. The NaBr dilution profile is then related to the groundwater velocity in the vicinity of the well screen being tested. On-site, nested, vapor extraction wells were also installed and eventually connected to a soil vapor extraction (SVE) system, to mitigate VOC vapors beneath the on-site buildings.