



Project Name: Groundwater Case Closure – Natural Attenuation

Client: Real Estate Developers

Agency: Regional Water Quality Control Board – Los Angeles Region

Location: Silverlake, California

Chemicals of Concern: TPH-gasoline and BTEX

Project Goals

In this project, Waterstone aimed to characterize and obtain agency closure for underground storage tanks at a carwash that had leaked to the groundwater.

Waterstone's Role

Waterstone initially evaluated the previous soil and groundwater investigations performed by other consultants to design a groundwater investigation on- and off-site to adequately characterize the extent of groundwater contamination. Waterstone also researched groundwater quality conditions at adjacent and nearby active and former gasoline services stations with reported groundwater contamination.

Project Challenges and Successes

Waterstone successfully characterized the down-gradient extent of the groundwater plume and showed that elevated down-gradient concentrations were the result of contamination from the adjacent down-gradient property. A natural attenuation model was developed to show that benzene concentrations in groundwater at the site would attenuate below area background levels prior to impacting any offsite receptors. Waterstone used its natural attenuation model results to achieve a No Further Action (NFA) letter from the local oversight agency. The NFA letter saved Waterstone's client significant costs since an expensive groundwater remediation was not necessary.