

Former Service Station

Santa Ana, California

- Metals ○
- Petroleum ●
- VOCs ○
- Assessment/Compliance ○
- Investigation ○
- Tank removal ○
- Remediation ●
- System design/O&M ●
- Litigation support ○
- Oversight ○

Period 1995–present

Contaminants TPHg, BTEX, MTBE

Media Soil and groundwater

Agency Santa Ana RWQCB

The site formerly contained an automobile service station with three 12,000-gallon gasoline USTs.

- Managed the installation of three nested soil vapor extraction wells and five groundwater monitoring wells.
- Designed, permitted, and oversaw the construction and installation of a 250-scfm combustion SVE unit, which operates under a various-locations permit issued by the SCAQMD. Operated the SVE system for almost 18 months to obtain approved soil closure for the site.
- Conducting groundwater monitoring and performing a natural attenuation evaluation to obtain data for a site closure request following source remediation.
- Evaluated cost and performance of several in situ groundwater treatment technologies to treat an MTBE hot spot and allow the site to meet closure objectives.
- Designed and installed an ozone injection system to treat groundwater by in situ chemical oxidation (ISCO).
- Installed three additional groundwater monitoring wells to track MTBE reduction in accordance with agency cleanup objectives.

