

Former Electronics Manufacturing Facility

Hawthorne, California

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

Period 1994–present

Contaminants Xylenes, ethylbenzene, Freon 113, TCE, PCE, 1,1-DCE, 1,1,1-TCA, acetone, fuel oil, insulating oil

Media Groundwater

Agency Los Angeles RWQCB and SCAQMD



The site formerly contained several structures housing offices, low-level radiation exposure testing, hazardous materials storage, and semiconductor manufacturing. From 1959 to the 1980's, compounds used or generated at the site included waste solvents and oils stored in five USTs. Demolition of site structures occurred from 1994 through 1996.

- Performed system start-up and O&M of an 80-gpm groundwater treatment system in accordance with NPDES permit requirements. The original treatment system included air stripping and biological treatment.
- Evaluated and modified the treatment system including addition of an anti-foam agent, ozone treatment, liquid-phase carbon adsorption, and design and installation of two deep extraction wells to 135 feet. Modified the NPDES permit to reflect the system changes.
- Installed and operated a vapor-phase carbon treatment system for the air stripper discharge. The system includes onsite steam regeneration of the carbon including a boiler, water conditioning skid, cooling tower, chiller, and solvent decanter.
- Performed start-up and operated a 150-gpm fluidized-bed biological treatment system to treat ketones. Decommissioned the bioreactor after ketones concentrations decreased below NPDES limits and arranged for sale of equipment.
- Performed feasibility study of in situ groundwater treatment technologies. Installed an ozone injection well; designed and performed several pilot tests to assess the effectiveness of ozone for destroying VOCs in the saturated zone.