

Environmental Due Diligence & Investigations

Power Generation Company, Multiple Northern and Southern California Sites



phase I environmental site assessment
phase II site investigation
soil, soil-gas and groundwater sampling
remedial cost estimates
IGP stormwater compliance services

Terraphase provides environmental consulting services to a power generation company (“the Client”). Terraphase has conducted Phase I Environmental Site Assessments (ESAs), Phase II Subsurface Investigations, and stormwater compliance evaluations on behalf of the Client at several sites in northern and southern California.

Terraphase conducted Phase I ESAs in accordance with the All Appropriate Inquiries rule. The types of sites investigated have included former industrial facilities, agricultural lands, active power plants, former auto storage and dismantling yards, and landfills.

Based on Phase I ESA results, several Phase II Site Investigations were conducted to evaluate potential impacts to soil and groundwater at the sites. The Phase II investigations activities have included:

- Extensive subsurface utility location using ground penetrating radar techniques to identify buried natural gas and electrical lines in the vicinity of proposed sampling locations.
- Advancing soil borings and installing temporary soil gas probes.
- Collecting soil, soil-gas, and grab-groundwater samples.
- Preparation of investigation work plans and reports.

Terraphase has evaluated soil, soil-gas, and groundwater data collected during Phase II activities to prepare remedial cost estimates under various scenarios to enable redevelopment of some properties as power generation facilities.

Terraphase has provided Industrial General Permit (IGP) storm water compliance services for peaker and cogen facilities, including preparation of a Stormwater Pollution Prevention Plan and BMP recommendations for improved stormwater treatment.