



Project Name: Phase II Characterization, Remediation Costing, and EIR review in a Sensitive Ecosystem

Client: Confidential Estate

Agency: Regional Water Quality Control Board, Orange County Health Care Agency, City of Brea

Location: Brea, CA

Chemical of Concern: PCBs, TPH, VOCs, PAHs

Project Goal

The main goals of this project were to characterize the site, prepare a remedial action plan, procure agency approval of the completion of Phase II activities, acquire an environmental insurance quote, review City-prepared Environmental Impact Reports (EIRs), and receive agency approval for the implementation of the remedial action plan to ensure that it accurately reflects environmental impacts and mitigations for the site redevelopment project.

Waterstone's Role

Waterstone's main role was to design a Phase II sampling plan to evaluate over 30 oil field features throughout the site. This scope of work included the characterization of the 33-acre site through collection of over 220 soil samples from 120 locations to define the lateral and vertical extent of impact of petroleum hydrocarbons, volatile and semi-volatile compounds, metals, acids and bases impact at wells, sumps, tank farms, valves and underground piping, a gas plant and a yard area. Waterstone also prepared costs for remediation to support the sale of the property and residential redevelopment of the site, acquired a quote for environmental insurance, and prepared a remedial action plan for agency review and approval. Following these activities, Waterstone prepared amendments to the EIR to accurately reflect environmental conditions.

Project Challenges and Successes

Waterstone successfully characterized the site and assisted the client with remedial actions to ready the site for redevelopment.