

HONOLULU HARBOR

Feasibility Studies and Remedial Design

Honolulu, Hawaii

Client:

Iwilei District
Participating Parties,
LLC.

Contract Value:

\$750,000

Performance Period:

2005—Present

Technical Areas:

- Remediation
- Civil Design
- Geotechnical
Engineering, Geology
and Hydrogeology

Successes:

Development of cost-effective remedial plans and designs that provide for protection of human health and the environment



BACKGROUND

The Iwilei District Participating Parties (IDPP) is conducting site assessment work and, as necessary, response actions and remediation to address the effects of historical petroleum hydrocarbon releases in the Iwilei District. The project is located within the City and County of Honolulu, Hawaii and encompasses 315 acres within the Honolulu Harbor area. The area has been subdivided into smaller Operable Units on the basis of environmental risk and responsibility for remediation. Remedial plans being installed include institutional controls, oil recovery wells, enhanced containment systems such as storm drain replacement, and long term monitoring.

SES ROLE

Four feasibility studies have been completed. These evaluated alternative remedial approaches such as excavation in-situ treatment, oil recovery using wells or trenches, soil stabilization, containment measures such as replacement of storm drains, and harbor wall sealing or reconstruction.

Design and design support activities have included:

- Technical specifications for sealing sheet pile walls
- Conceptual designs and cost estimating of harbor wall sealing

options

- Sizing and spacing of hydrocarbon recovery groundwater wells
- Design and specifications for wells and establishing operating procedures