

Projects

ERRG was awarded this firm fixed-price contract to perform system operation and maintenance at an active bioventing/air sparging site within Camp Pendleton. The contract also included quarterly groundwater sampling and generation of quarterly reports.

ERRG maintains and monitors a bioventing/air sparging soil vapor extraction system designed to treat petroleum (and MTBE) contaminated groundwater, at a gasoline station which still remains operational. The system consists of seven air sparge wells, one nested SVE well, one single SVE well, and three nested monitoring points. Vapors extracted by the system are treated on-site with a catalytic oxidizer.

ERRG conducts weekly visits to the site for routine system maintenance and monitoring, and also performs periodic system optimizations (rotation of sparge wells to avoid preferential pathway creation) to maximize contaminant removal rates. Weekly monitoring includes measurements of vapor concentrations at a variety of locations throughout the system with a photoionization detector to document compliance with the air discharge permit for the system and to verify that the system is functioning properly.



In addition, quarterly groundwater sampling events are conducted from a system of 21 groundwater wells. Groundwater samples are collected for laboratory analysis of volatile organic compounds (benzene, toluene, ethylbenzene, xylenes, and methyl-tertiary butyl ether), total petroleum hydrocarbons as gasoline and diesel, lead, and biological indicator compounds (methane, sulfate nitrate, nitrite, manganese, total organic carbon, total dissolved solids, and alkalinity).

UST Site Remediation, Marine Corps Base Camp Pendleton

SUMMARY

Owner

Dept. of the Navy
Southwest Division

Location

Marine Corps Base
Camp Pendleton, CA

Award Date

March 2003

**Actual Completion Date
or Projected Completion Date**

April 2004

Award Amount

\$172,261

Final Contract Price

\$366,076 (additional scope)

Services Provided

System O & M
Treatment System Design



Engineering/Remediation Resources Group, Inc.

Office Locations > Martinez, San Francisco, Los Angeles, Tustin, Seattle, Portland, Honolulu
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