

Client Profile

DLA Installation Management • Southern California

Client Overview



Client: DLA Installation Management - Operations for Energy, DF-FE (DLA)

End market(s): Government/Defense

Practice area(s): Environmental

Related Service:

- Environmental remediation involving compliance and facility maintenance services
- Remedial investigations
- Development and deployment of remedial strategies and installation
- Operation and maintenance (O&M) of major remediation systems
- Preparation and update of Stormwater Pollution Prevention Plans (SWPPPs)

Service area(s): Regional/Southern California

Engagement date: 2002 to Present

Challenge

DLA manages the global supply chain for the Army, Navy, Marine Corps, Air Force, Space Force, Coast Guard, eleven combatant commands and various other federal agencies for the entire US, supplying 86 percent of the military's spare parts and close to 100 percent of the fuel

and troop support consumables. As such, DLA operates a network of facilities across the nation, handling both dangerous goods and hazardous materials and the conveyance of these materials to their destinations.

Solution

Since 2002 Apex Companies, LLC [Apex]/The Source Group, Inc. [SGI] (Apex-SGI), has provided an array of environmental engineering services at two DLA-operated military fuel storage and distribution facilities (Defense Fuel Support Point [DFSP]) in Southern California.

Over the past five years alone, our work at these sites has included preparation of health and safety, quality assurance project, and waste management plans; coordination of lab activities; site assessment; remedial action design; remediation system O&M; groundwater and stormwater monitoring and sampling services; design and installation of stormwater BMPs and structures at the SVE remediation sites to comply with the BMP designs per the SWPPP (Apex authored the original SWPPPs and provided SWPPP updates as required); compliance and permitting under numerous ongoing contracts; maintenance activities, including environmental protection and pest management and ground maintenance and repairs to facility infrastructure impacted by the SVE remediation projects; and emergency spill response support, including updating the Spill Prevention Control and Countermeasures (SPCC) plan, mobilizing ASTs/oil-filled equipment mobilized to the sites and providing emergency response spill equipment at each thermal remediation location.

We have performed O&M of over ten separate remediation systems which utilize groundwater extraction and treatment, biologic treatment processes, air sparging, LNAPL recovery, thermal treatment and/or vapor extraction technologies. Completed tasks have included site investigations, groundwater monitoring and sampling, public participation support and engagement, reporting (over 200 reports are generated

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each year), and conducting work in accordance with DLA Facilities Management's compliance and permitting requirements.

Our key services include providing thermal remediation services on petroleum-contaminated soil and groundwater at 9 areas of concern (AOC) located at one of the fuel storage and distribution sites:

- Working in concert with thermal remediation technology specialists, Apex-SGI's engineers, geologists, and environmental specialists have completed the remediation of soil and groundwater on two former 2.1M-gallon capacity bulk, field-constructed underground storage tanks (BFCUSTs) using steam injection and electrical resistance heating (ERH) methods. Thermal remediation systems are currently in operation at three additional BFCUST sites and preparations are underway for installation of similar systems at four more BFCUSTs.
- As part this turnkey project, Apex-SGI completed investigations to delineate the extents of the target remedial zones, prepared agency-approved remedial action designs and plans, installed the multi-component treatment systems, and conducted remediation system O&M, and groundwater monitoring and sampling.
- Thermal remediation required remediation personnel to be on-site 24 hours a day, including weekends. Apex-SGI addressed this requirement in the project management plan and then coordinated security access and a communication structure to ensure access to the site for multiple crews.
- Approximately 12 months after active thermal remediation was completed, Apex-SGI conducted rebound testing, soil matrix confirmation sampling, and soil gas sampling at the first two thermal remediation sites. The results of this confirmation testing and analysis were used as the basis for preparing detailed Remedial Action Completion Reports (RACRs) for review by DLA and submittal to state regulators.



After removing over 260,000 pounds of hydrocarbon mass at the two former fuel storage tanks, the completion of soil sampling to confirm that soil cleanup goals had been achieved, and post-treatment soil gas surveying demonstrating that no residual hydrocarbons were present in shallow soil gas, the state board agreed that the thermal remediation phase of remediation was complete.

Results

Historical processes and handling of hazardous goods and materials resulted in the contamination of soil and groundwater at two DLA-operated military fuel storage and distribution facilities located in Southern California.

Apex-SGI is currently responsible for the remediation of soil and groundwater at over 20 AOCs at the facilities, with a goal to complete all active remediation by the end of 2025. At the completion of this project, nearly 500,000 cubic yards of contaminated soil and associated contaminated groundwater will have been remediated.

In its recent CPAR (federal government rating system), DLA rated Apex-SGI's management at DFSP San Pedro as "Exceptional" in the areas of quality, schedule cost control, management, and regulatory compliance.

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