



## ▶ Lessons Learned

**Federal Contracts:** The majority of the environmental and fueling facility work has been on military bases and was under Federal contracts which have a completely different set of demands from private or public works.

**Corps of Engineers:** The Army Corps of Engineers (USACE) was the designer and administrator for a lot of the projects. Working within their management system is challenging at times but valuable experience.

**Quality Control:** A key part of the USACE construction management process is their quality control process. Having been through the Quality Control certification program I could serve as QC on the project.

**Submittals:** Another focus of their program is on submittals which is tied directly to the QC process. Learning how to prepare and track submittals for the USACE and other military projects leads to an improvement of the entire submittal process across all types of projects.

**Safety:** The military and especially the USACE are very safety conscious. All projects require site-specific safety plans, daily safety meetings and task-specific Job Safety Hazard Analysis (JSHA) to be used with a task-specific safety meeting.

The USACE had this focus starting many years ago. The rest of the industry is just starting to catch up. Instilling the discipline for analyzing safety concerns well in advance also leads to foreman and project managers more closely analyzing other aspects of the task and leads to improved productivity as well as improved safety.

## ▶ Project Summary

### SFO – Rental Car Quick-Turnaround Fueling Station



San Francisco International Airport (SFO) Rental Car Quick Turnaround Facility consisted of 13 underground fuel tanks with all associated process piping and controls out to canopy with dispensers. At the time it was the largest deployment of Veeder-Root Red Jacket pumps at a single facility.

Groundwater treatment plant for Tracy Defense Depot included 26 extraction wells connected via process piping, power and fiber optic controls. Project was for the Army Corps of Engineers.

### Tracy Defense Depot – Water Treatment



## ▶ Other Projects

- Fuel Facility 'G' Travis AFB
- Water Treatment Plant, Moffat Field (NASA)
- Fuel Facility El Centro Naval Air Facility
- Oil-Water Separators Yuma, AZ Marine Air Station
- TOSCO Station Upgrade (Union 76)

