

Design Engineering Support Program



Capabilities

- Environmental Compliance/Training
- Title V Air Permitting
- Industrial Wastewater
- Industrial Safety
- Solid Waste Management
- Hazardous Waste Management
- Process Improvements
- Biological Environmental Engineering
- Demonstrating Compliance to EPA & OSHA
- Environmental Impact Assessments
- Remediation
- Regulatory Permitting
- Compliance Monitoring
- Pollution Prevention

Federal Contracting Experience

- U.S. Air Force
- U. S. Trade and Development Agency
- National Guard Bureaus
- U.S. Fish & Wildlife
- GSA
- Millennium Challenge Corporation
- U. S. Dept. of Agriculture Forest Service
- Bureau of Land Management

Air Force Project Experience

Dover AFB Projects

- UST removals (14) and site closures
- Contamination Assessment

Bolling AFB Project

- Pollution Prevention Management Plan
- Ozone Depleting Substances Management Plans

In addition, MSE Senior Staff, including its President and several senior officers, served many years on Air Force projects while at The Parsons Corporation, a major Air Force contractor. Among the projects that MSE staff had key roles on were the following:

Hill Air Force Base, Pollution Prevention Opportunity Assessment

- Pollution prevention (P2) study was completed for all industrial processes including assessment of more than 200 industrial processes (painting, degreasing, electroplating, depainting, and vehicular maintenance)
- Developed training manual for implementation of a pollution abatement database and instructed base personnel on maintaining the database through a short course using projected computer simulations
- Set up relational database to assist personnel in analyzing results and evaluate benefits of pollution abatement
- The implementation of the P2 program was one of the factors leading to the selection of Hill AFB as the winner of an annual Department of Defense Environmental Management Award

Hill Air Force Base, Environmental Assessment for the Transfer and Beddown of New Workloads

- Environmental assessment for the transfer and beddown of new workloads transferred to Hill AFB from McLelland and Kelly AFBs
- Environmental assessment for the transfer of two radar stations, one fixed and one transportable, to Hill AFB from McClellan AFB

Air Force Study of Dual Fuel Converted Heavy Duty Vehicles

- A study of dual fuel converted heavy-duty vehicles for the Air Force
- Installed after-market conversion kits on diesel vehicles at Hill AFB and Scott AFB allowing the vehicles to operate using LPG alternately with diesel for reduction in overall air emissions

Installation Restoration Program (IRP) Phase I Investigations at Multiple AFBs

- IRP Phase I Investigations at Travis AFB, CA; Tinker AFB, OK; Kirtland AFB, NM; Duluth IAP, MN; and Westover AFB, MA
- Included review of site records, interviews with current and former installation personnel engaged in waste management, and site walkovers and aerial overflights to view potential areas of concern (AOCs)
- Developed timeline for management of each major waste stream, based on data collected
- Identified areas of concern and prioritized using a scoring system

Installation Restoration Program (IRP) Phase II Investigation, Westover, MA

- Phase II Investigation
- Included collection of soil, waste, surface water, and/or groundwater samples from potential AOCs
- Geophysical surveys were conducted to identify disposal locations
- Site data used to identify AOCs requiring remediation