



# USACE, MOBILE DISTRICT

LONG TERM MONITORING AND LAND USE CONTROL MAINTENANCE  
*Cape Canaveral and Patrick Air Force Base, Florida*

## PROJECT HIGHLIGHTS

### CLIENT PROFILE

The U.S. Army Corps of Engineers (USACE) Mobile District manages a variety of programs in Alabama, Georgia, Florida, Mississippi, and Tennessee as well as Central and South America. The District's mission includes supporting all branches of the U.S. military, other federal agencies such as the U.S. EPA, and providing design and construction for civil works projects. Cape Canaveral Air Force Station (CCAFS) is an installation of the U.S. Air Force Space Command 45<sup>th</sup> Space Wing, which is headquartered at Patrick Air Force Base (PAFB) in Brevard County. CCAFS is the primary launch facility for the Command's Eastern Range and has supported America's space program since the 1950s.

### PROJECT OVERVIEW

The firm provided environmental remediation, long-term monitoring (LTM), and land use control (LUC) inspections following Resource Conservation and Recovery Act (RCRA) and Toxic Substances Control Act (TSCA) guidance at CCAFS and PAFB. The firm conducted these activities at more than 30 RCRA solid waste management units (SWMU) including Space Launch Complex (SLC) 11, SLC 12, SLC 16, SLC 17, SLC 36, Firefighter Training Area FT-16, Landfill 18, Facility 84920, Area 55, and Facility 1608.

### CHALLENGES

- Data management of approximately 300 surface and groundwater samples annually.
- Field team management to ensure tasks were completed accurately and on schedule.

### THE MSE GROUP APPROACH

To assist USACE in completing this project, the firm assembled a project team of professional geologists, engineers, and field technicians experienced in project management, groundwater remediation implementation, and groundwater sampling. The team developed site-specific work plans, health and safety plans, and sampling and analysis plans. The groundwater and surface water monitoring program included volatile organic compounds (VOC), petroleum contaminants, pesticides, and target analyte list metals. LUC maintenance included quarterly inspections, installation of warning signs and fencing, temporary well installations, and groundwater sampling. The project team used a dynamic scheduling and quality control process to ensure the field and analytical activities conducted concurrently at the sites were completed on time and that data quality objectives were met.

### ACCOMPLISHMENTS

- The project was successfully completed ahead of schedule and within budget.
- All work was in accordance with approved plans and regulatory requirements.
- All RCRA compliance dates were met.
- For each SWMU, an exit strategy was developed, resulting in significant annual and long-term cost savings.

### AREAS OF EXPERTISE

- Waste management
- Long-term monitoring
- GIS and database management

*"The contractor has been a valued member of the 45th Space Wing program team and has continually performed at a high degree of excellence."*

*—USACE, Mobile District*

*"They have done a great job with all aspects of managing this task order and have maintained a high degree of trust within the program."*

*—USACE, Mobile District*