



SOLID WASTE



MSE Group consistently provides the highest level of service for every phase of modern landfill development—from design and permitting to civil and environmental construction, and from construction quality assurance to post-closure care.

Our team includes design professionals, construction managers, onsite supervisors and safety officers, equipment operators, and technicians—all working seamlessly to address any technical or administrative need for facility owners. Since 2010, we have self-performed over \$6 million in federal solid waste turnkey design/build projects, working extensively with design and construction teaming partners to help them achieve their goals.

WHY MSE

Known for creative project management, MSE Group is led by qualified professionals who possess not only decades of experience, but also the expertise to develop and implement creative solutions. We begin each project by thoroughly analyzing our client's current circumstances, future needs, and budgetary requirements in order to build a team of professionals with expertise in the specific project area.

With this team in place, we partner with our client—providing value-added solutions to challenges while completing projects on time and on budget.



ABOUT US

FOUNDED IN 2002

MSE Group, LLC, is an international environmental, engineering, and construction firm providing qualified and competitive environmental, engineering, and health and safety services to public and private entities nationwide. Success for our clients, teaming partners, and employees is derived from an intense work ethic and the ability to enjoy the journey.

We are an SBA-certified 8(a), EDWOSB 8(m), DBE business with additional state and local small business and minority certifications in numerous states across the country. With 14 branch and satellite office locations nationwide, MSE stands ready to support your needs and exceed your expectations every time.

PRACTICE AREA

COMPLETED PROJECTS

- USACE Mobile District: Cape Canaveral Air Force Station Landfill Closure – \$800,000
- USACE Savannah District: Fort Gordon U.S. Army Base 17th Street Landfill Closure and Surface Water Control Upgrades – \$660,000
- USACE Savannah District: Fort Gordon U.S. Army Base 3rd Avenue Landfill Closure and Surface Water Control Upgrades – \$2.3 million
- USACE Savannah District: Hunter Army Air Field Landfill Closure – \$1.8 million

SUCCESSES

EXCELLING IN OUR FIELD

- Certificate of Appreciation, USACE Savannah District – May 2013
- Certification of Achievement in Safety, USACE Savannah District – February 2013
- Certification of Achievement in Safety, USACE Savannah District – May 2013

FOR MORE INFORMATION ABOUT MSE GROUP, PLEASE CONTACT

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SERVICE LIST

- Conceptual design, engineering plans, and construction drawings
- Settlement and slope stability analysis
- Landfill liner system design
- Operation plans and specifications
- Solid waste permit modification and renewal
- Construction and material specification
- Monitoring and reporting
- Annual and semiannual NSPS
- Compliance reporting
- Landfill leachate collection
- Construction management and certification
- Final cover surface water management system design
- Gas management system design
- As-built survey and material quantity evaluation
- Soil material quality assurance and conformance testing evaluations
- Geosynthetic material sampling and laboratory testing evaluations
- Construction quality assurance plans
- Post-closure plans



REPRESENTATIVE PROJECTS

- **Landfill Design/Build – USACE Mobile District, Cape Canaveral Air Force Station (CCAFS), FL.** This project involved preliminary and final design, permitting, and construction of a landfill cover and erosion and sediment control upgrades for the 60-acre Class I, Class III, and asbestos landfill located at CCAFS. The project was completed to comply with FDEP solid waste landfill closure regulations and to address Air Force internal audit findings relative to three active solid waste operation permits associated with the landfill. The design phase included engineering surveys, geophysical studies, and test pits to assess existing subsurface and landfill waste and cover conditions; geotechnical investigations for construction and demolition storage/loading area design; constructability reviews; plan development and submittal of 30, 60, 90, and 100 percent design drawings and specifications; and engineering estimates for construction. MSE self-performed the construction phase of this project, which included repair of landfill cover material over a 45-acre portion.
- **Landfill Design/Build – USACE Savannah District, Fort Gordon, GA.** The project involved preliminary planning, final design, permitting, and construction of a stormwater conveyance system through the 3rd Avenue inert landfill area and placed a uniform 2-foot soil cover consistent with the solid waste management closure criteria. Activities included relocation of a significant amount of surface debris, which was deposited within the permitted landfill boundary as part of the landfill closure. Stormwater passed through a conveyance system consisting of two gabion basket structures at the culvert outlets under 3rd Avenue and a 2-acre detention pond that discharged into 1,800 linear feet of 66-inch reinforced concrete pipe (RCP), a 108-inch RCP tumbling flow energy dissipater, and a series of riprap pools before exiting the site at a reduced velocity.

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EXCEEDING EXPECTATIONS EVERY TIME