



## DECOMMISSIONING & DECONTAMINATION



### REPRESENTATIVE SERVICES

- Hazardous material assessments for lead based paint, asbestos, and contamination characterization
- Comprehensive decontamination and demolition planning
- Green decommissioning and recycling planning
- Waste characterization, profiling and disposal
- Design, build and permitting for interim treatment/storage systems
- Decontamination of facility and equipment for all hazardous materials
- Maintenance and cleaning of pollution control devices and storage areas
- Mold assessment and remediation
- Restoration and construction of remediated structures

### ABOUT US FOUNDED IN 2002

MSE Group, a Montrose Environmental Group company, 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.

As a part of the broader Montrose network, which includes more than 70 offices globally, MSE stands ready to support your needs and exceed your expectations every time.

### SUCCESSSES

- Over \$5 million in successful project completion
- Professional services and engineering for industrial facilities in FL, AL, TX, AR, GA, VA, CA, SC, PA, MA and LA,
- Multiple safety and performance awards
- Our greatest indicator of past performance is our repeat business....in 2018 over 95% of MSE's revenue came from repeat clients and continuing contracts.



[www.msegroup.com](http://www.msegroup.com)

EXCEEDING EXPECTATIONS EVERY TIME





# REPRESENTATIVE PROJECTS

## PERIODIC SERVICES

- **Monthly Housekeeping/Decontamination** – MSE's services include quarterly oil storage, hazardous waste storage pads, media blast units, and waste treatment system cleaning for numerous central Florida manufacturing clients.
- **Paint Booth Maintenance** – MSE's services include quarterly stripping/cleaning and application of peelable paint for the client's hexavalent chromium paint booths.
- **Gun Range Maintenance** – Services provided by MSE include removal and decontamination of ammunition and lead-contaminated debris from internal DoD gun ranges. Maintenance tasks include HEPA filter replacement and range structure decontamination.

## FACILITY AND SYSTEM DECOMMISSIONING PROJECTS

- **Plating and Wastewater Treatment Plant (WWTP) Decommissioning** – MSE was responsible for the development and implementation of detailed decontamination, safety, and waste management plans for the decommissioning and decontamination of more than 500 pieces of process equipment and structural components such as sumps, pits, dust collectors, and tanks. This work was associated with a 60,000-square-foot electronics plating and WWTP facility that is regulated under an RCRA Part B Permit.
- **Water Plant Construction Management/Demolition** – MSE completed the demolition of a potable water supply wellfield and water treatment facility used by Orlando Utilities Commission (OUC). Structures included four buildings, 1.5-million-gallon water storage tank, 1-million-gallon treated water reservoir tank, hydrogen sulfide aerator, and septic treatment system as well as over 10,000 feet of underground utilities. Scope of work included facility assessment, asbestos survey, hazardous material survey, construction plans, project budgets, Orange County and Florida Department of Environmental Protection (FDEP) permitting, waste characterization sampling, construction management, waste disposal, compliance monitoring, budget management, and project report development.
- **Underground Missile Silo Demolition** – MSE completed the design, removal, and disposal of an underground missile silo. The project involved development of construction plans and budget management; dewatering permits; groundwater modeling; EPA, SFWMD, and FDEP coordination; waste characterization sampling; waste disposal; construction management; compliance monitoring; and project report development.
- **Electronic Testing Facility Decommissioning** – MSE completed Phase I and Phase II environmental site assessments for a 10,000-square-foot electronic testing facility contaminated with lead. The project included the development and implementation of safety, decontamination, sampling, and waste management plans.
- **Petroleum System Removal** – MSE was responsible for the removal and restoration of more than 20 petroleum storage and product transfer systems. The project was completed according to FDEP rules and guidelines.
- **Hospital Wastewater System Assessment and Reconstruction** – This project involved a review of the hospital acid wastewater treatment system, which resulted in a preliminary waste characterization and reconstruction of the inline neutralization components.

## SPECIALITY EQUIPMENT DECONTAMINATION

- **General Equipment Decontamination, Various Clients** – MSE has completed the decontamination of more than 300 facility structures and process equipment containing contaminants such as petroleum hydrocarbons, acids, caustics, thorium fluoride, hydraulic fluids, hexavalent chromium, beryllium, lead, asbestos, and tungsten hexafluoride as well as miscellaneous solvents. These projects involve development and implementation of decontamination plans, industrial hygiene monitoring, waste characterization, restoration, and project report development.
- **Decommissioning Services Contract, Confidential Client** – This contract involves ongoing property assessment, decontamination, and decommissioning of process and manufacturing equipment and structures such as sludge dryers, acid scrubbers, x-ray units, oil compressors, wastewater tanks, and vacuum chambers for a Department of Defense prime contractor located in central Florida. Projects have included the following:
  - » **Turbine Engine Component Decontamination** – rapid response decontamination of 400 large components for energy turbine engines contaminated with hexavalent chromium.
  - » **Decontamination of Hellfire Missile Components** – assessment, decontamination plan development, and implementation of 50 missile crates contaminated with mold.

## COMPANY / STAFF LICENSES & CERTIFICATIONS

- Florida Certified Building Contractor (CBC) #1258011
- Florida Pollution Storage System Contractor (PSSC) #PCC053365
- Professional Engineering Firm #CA31807, #F-4962, #P-1696
- Mold Assessor #MRSA2711, #MRSA2078
- Project Management Professional #1927136
- Certified Safety Professional #34086, #33068
- Certified Industrial Hygienist #10052
- In house technical staff fully trained and members of a medical surveillance program

FOR MORE INFORMATION  
ABOUT MSE GROUP,  
PLEASE CONTACT

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