

# KATIE ROY, PE

## PROFESSIONAL EXPERIENCE

Katie Roy joined the firm in 2014. She has extensive qualifications and experience with a broad range of environmental engineering and environmental compliance projects.

Katie has distinguished herself as a professional through her attention to detail and dedication to providing deliverables of the highest quality. She was recently awarded the firm's Outstanding Dedication and High-Quality Performance award and routinely receives praise from numerous clients on her professionalism and commitment to excellence. Katie currently serves as the environmental compliance service line manager and the committee chair for MSE's 6S Quality Program.

## AREAS OF EXPERTISE

- Air emissions inventories
- Emergency Planning and Community Right-to-Know Act (EPCRA)
- Toxic release inventory reports
- Air quality permitting
- Air pollution source modeling
- Hazardous materials compliance and management
- Backflow prevention design and inspection
- Contamination assessments and remediation

## PROJECT EXPERIENCE

***U.S. Army Corp of Engineers, Mobile District: Air Compliance and Permitting Support, Cape Canaveral Air Force Station and Patrick Air Force Base, Florida***

**Project Manager and Sr. Engineer** responsible for successful completion of all technical aspects of the project, senior review of all deliverables, mentoring of junior staff, regulatory coordination, and client relations. This project involved various support tasks for the 45<sup>th</sup> Space Wing Air Program at Cape Canaveral Air Force Station (CCAFS) and Patrick Air Force Base (PAFB). Scope of work included Clean Air Act Title V permitting and compliance evaluations, compliance review of multiple air pollution control construction and operations permits, and on-site staffing to support regulatory tasks and quality assurance.

***Naval Facilities Engineering Command Southeast: Emergency Planning and Community Right to Know Act, Multiple Installations***

**Project Manager and Sr. Engineer** for multiple task orders responsible for successful completion of all technical aspects, on-site data collection, senior review of deliverables, and client relations. The firm has completed EPCRA 312 and 313 for 10 U.S. Navy and Marine Corps facilities. Since 2013 these services have been completed on an annual basis. The projects include onsite data collection of hazardous materials stored and used on base, chemical inventory, hazardous material quantities, and locations in materials, storage tanks, and equipment as well as details of toxic chemicals usage and how they were processed or released to air, land, waste, or water. Specific installations include NAS Jacksonville, NS Mayport, NSF Orlando, NAS Key West, NAS Pensacola, and NAS Whiting Field (Florida); NSF Beaufort, South Carolina; NSF Mid-South, Tennessee MCB Camp Lejeune, North Carolina; and Submarine Base Kings Bay and MCLB Albany (Georgia).



## ENVIRONMENTAL COMPLIANCE SERVICE LINE MGR. SENIOR ENGINEER

### EXPERIENCE

11 years of experience in environmental engineering and compliance

### EDUCATION

M.Eng., Environmental Engineering, North Carolina State University

B.S., Biological Engineering, North Carolina State University

B.A., Spanish Language & Literature, North Carolina State University

### PROFESSIONAL REGISTRATIONS & CERTIFICATIONS

- Professional Engineer (PE), North Carolina #041460
- HAZWOPER 40-hour
- HAZWOPER 8-hour Refresher



## ADDITIONAL INFORMATION

Katie Roy, PE

### ***Naval Facilities Engineering Command Southeast: Waste Stream Determinations, Multiple Installations***

**Project Manager and Sr. Engineer** for multiple task orders responsible for successful completion of all technical aspects, on-site data collection, senior review of deliverables, and client relations. Since 2013 the firm has completed waste stream determination projects on an annual basis at U.S. Navy and Marine Corps installations in Texas, Florida, Mississippi, South Carolina, and Tennessee. These projects are conducted to characterize suspect and known hazardous waste streams and include waste stream sampling and analysis, development of waste stream profiles, reporting, and data entry into Navy environmental data management systems. Due to the extensive nature of some waste stream quantities, the firm has been tasked to develop and implement electronic database and management systems for incorporation into the Navy's hazardous materials management systems. Unique capabilities with electronic data management have provided the opportunity for system expansion throughout all NAVFAC divisions.

### ***Naval Facilities Engineering Command Southeast: Solid and Hazardous Waste Management Planning, Multiple Installations***

**Project Manager and Sr. Engineer** for multiple task orders responsible for successful completion of all technical aspects, on-site data collection, senior review of deliverables, and client relations. The firm has provided various solid and hazardous waste management support services to the U.S. Navy and Marine Corps since 2013. Representative experience includes development and implementation of a hazardous waste contingency plan for the less-than-90-day storage area at NAS Whiting Field, Florida; development and implementation of the hazardous waste management plans for NSF Beaufort, South Carolina (including medical and pharmaceutical wastes), Naval Station Guantanamo Bay, Cuba, and Marine Corps Base Camp Lejeune, North Carolina; and development of hazardous waste biennial reports for Marine Corps Support Facility Blount Island, NAS Corpus Christi, and Camp Lejeune, which included review of hundreds of manifests, data entry into state-specific reporting programs, and payment of annual fees.

### ***U.S. Army Corps of Engineers, Mobile District: Architect-Engineer Services to Provide Environmental Support to Civil, Military, and Federal Agencies, Multiple Installations***

**Project Manager** for grease trap surveys at multiple installations responsible for successful completion of all technical aspects of the project. This 5-year, \$5 million indefinite delivery order contract with the Mobile District involved a broad range of A-E support services. Primary technical services included environmental compliance, environmental engineering and design, operational range assessments and design, Leadership in Energy and Environmental Design (LEED)/sustainability project support, and GIS data management. The firm completed nine task orders from 2009 through 2014, collectively valued at over \$4.75 million. Specific task orders included four staff located at Fort Campbell, Kentucky, for more than 4 years in support of the spill response and tank management program; environmental compliance support at over 25 installations for IMCOM-West; landfill design and permitting for the Air Force; and landfill maintenance and environmental support at Fort Gordon, Georgia.

## OUTSIDE THE OFFICE

Katie and her husband Brian live near the coast of North Carolina. They enjoy taking their sons to the beach, paddle boarding, and playing with their two dogs.

