



Dr. James S. Smith, Jr. is a toxicologist and risk assessor at the Navy and Marine Corps Force Health Protection Command (NMCFHPC). He has more than 40 years of professional experience using science-based solutions to inform site-specific risk assessment, evaluate chemical exposure and toxicity, and solve environmental problems. He obtained his Bachelor of Science (BS) in Biological Sciences from Cornell University, where he specialized in the study of neurobiology and behavior, biochemistry, and immunology (undergraduate research). He obtained his doctorate in Toxicology from the College of Medicine at the University of Cincinnati. His doctoral thesis explored differences in fatty acid metabolism important in cancer promotion and progression. His academic studies included research in the fields of carcinogenesis, biology, immunology, biochemistry, molecular genetics, and neurobiology and behavior. His professional experiences include work at the U.S. Environmental Protection Agency (EPA) as a student scientist, work at several national environmental consulting firms including his own consulting company (OAK CREEK, Inc.), and works now as a toxicologist at NMCFHPC. His toxicological expertise includes the toxicity, environmental fate and transport, and disposition of poly and per-fluoroalkyl substances (PFAS), polychlorinated dibenzo-p-dioxins (PCDDs), dibenzofurans (PCDFs), and biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs), heavy metals (e.g., lead, mercury, and chromium), and chlorinated and non-chlorinated volatile organic compounds (VOCs). Dr. Smith is well versed in analytical methodologies,

toxicity testing, method development, evaluation of vapor intrusion, and comparative exposure and risk analyses.