

Brian Steuerwald, M.S, MBA

Subject Matter Expert – Aviation and Marine Fuels

Professional expert in infrastructure, maintenance, operations, quality assurance, environmental compliance and inventory accounting in aviation and marine fuels. Background includes education and experience in criminal justice and law enforcement.

WORK EXPERIENCE

Senior Analyst / Technical Writer / Subject Matter Expert Pond & Company

Honolulu, HI
Apr 2022 - Present

- Subject matter expert assisting the U.S Navy in response to numerous inquiries from DOJ, U.S. EPA and Hawaii Department of Health (DOH) related to a catastrophic fuel spill currently subject to litigation. In addition, expertise provided includes root cause failure analyses as well as the development and implementation of solutions and mitigations to prevent future mishaps.

President Power Concepts, LLC

Box Elder, SD
Sept 2021 – Present

- President of a professional consulting firm specializing in all aspects of aviation and marine fuel operations to include but not limited to programming, planning, design, operations, and assessments of petroleum facilities.

Director, Fuel Operations Airlines for America (A4A)

Washington, DC
May 2020 – Sept 2021

- Created and directed the Airlines for America (A4A) risk assessment/audit program. Utilized expertise to detect aviation supply chain risk, including infrastructure, operations and maintenance, and identify solutions to airline and airport customers necessary to prevent spills, increased costs and delays.

Department Head – Fuel Quality Naval Petroleum Office

Fort Belvoir, VA
July 2017 – May 2020

- Navy's subject matter expert on quality assurance and surveillance for 21M barrels of fuels and lubricants spread across 55 terminals, 27 air stations and 52 ships around the world. Lead quality inspector for Department Of Defense Office of the Inspector General (IG) audit program which included a thorough compliance inspection covering fuel operations, maintenance, inventory, accounting and facilities.

Positions of Growth

Various
June 2006 – June 2017

- Bunker Fuel Program Manager, U.S. Navy Military Sealift Command, Washington, DC
- Senior Systems Engineer, Alion Science and Technology, Washington, DC
- Marine Engineer, Coast Guard Headquarters, Washington, DC
- Marine Engineer and Fuel Officer, USCGC BERTHOLF, Alameda, CA
- Student Engineer and Fuel Officer, USCGC BEAR (WMEC-901), Portsmouth, VA

EDUCATION

- Master Business Administration (MBA), Strayer University, Washington, DC
- Master of Science, Engineering Management, George Washington University, Washington, DC
- Bachelor of Science, Mechanical Engineering, U.S. Coast Guard Academy, New London, CT
- Oxford Bunker Fuel Course, Petrosport
- Advanced Bunkers Course, Petrosport
- Diesel Fuels Specification and Test Methods Course, ASTM
- Marine Fuels Specifications, Tests, Purchase and Use Course, ASTM
- Aviation Fuels Specifications and Test Methods Course, ASTM

PERTINANT COURSEWORK AND EXPERIENCE

- Maritime Law Enforcement, U.S. Coast Guard Academy
- Criminal Justice, U.S. Coast Guard Academy
- Law Ethics and Corporate Governance, Strayer University
- Engineering Law, George Washington University
- Preliminary Investigating Officer (PIO): Served as the principle investigator for multiple investigations in accordance with the Military Justice Manual (MJM) and pursuant to the Uniformed Code of Military Justice (USMJ)

PROFESSIONAL AFFILIATIONS

- American Society for Testing of Materials (ASTM) D02: Subcommittee J (Aviation Fuels), E (Diesel Fuels), 04 (Hydrocarbon Analysis) and 14 (Stability, Cleanliness and Compatibility of Liquid Fuels)
- Coordinated Research Council (CRC) Aviation Fuel Committee
- International Association of Stability, Handling and Use of Liquid Fuels (IASH)
- National Petroleum Management Corporation (NPMC)
- International Standards Organization (ISO)

RELEVANT PROJECTS

- Subject Matter Expert on Root Cause Failure Investigations:
 - Fuel Release to Environment During Maintenance (Leak Detection Testing)
 - Release to Environment due to overfill of Diesel Fuel Storage Tank During Loading
 - High Pressure Shutdown of Refinery Receipt Pipeline
 - Overpressurization of Fuel Pipeline During Barge Receipt
 - Catastrophic Fuel Release including drinking water contamination
 - Major Release to Environment due to Tank Overfill, Naval Air Station Oceana
 - Tank Overfill U.S. Coast Guard Cutter Bear
- Risk Assessments and Compliance Inspections of Fuel Facilities:
 - Dallas Fort Worth International Airport
 - Orlando International Airport
 - Denver International Airport
 - Salt Lake City Airport
 - Sacramento International Airport
 - Ontario International Airport
 - Hollywood Burbank Airport
 - John Wayne Airport
 - Phoenix International Airport

- Tucson International Airport
- Albuquerque International Airport
- Austin-Bergstrom International Airport
- Tampa International Airport
- Southwest Florida International Airport
- Fort Lauderdale International Airport
- Charlotte Douglas International Airport
- Indianapolis International Airport
- Pittsburgh International Airport
- Dulles International Airport

- Subject Matter Expert on Fuel Quality
 - Multiple Quality Investigations with Defense Logistics Agency, Navy Sea Systems Command (NAVSEA), and Naval Air Systems Command (NAVAIR) related to supply chain quality and reliability
 - USAF Small Business Innovative Research Contract: Detection and Quantification of Hydraulic Oil and Poly Alphaolefinic (PAO) Oil Contamination in Jet Fuel
 - USAF Small Business Innovative Research Contract: Detection of Low Level Sulfur Concentrations in Jet Fuel
 - USAF Small Business Innovative Research Contract: Fuel Property detection utilizing acoustic measurement technology
 - USAF Small Business Innovative Research Contract: Detection and Quantification of Metal Deactivator Additive in middle distillate fuels
 - USAF Small Business Innovative Research Contract: Water and Sediment detection and quantification in aviation fuels