

JOHN S. FRAZEY, PhD, CIH

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QUALIFICATIONS SUMMARY - Results-driven executive with over 20 years of outstanding performance leading diverse teams while optimizing organizational effectiveness. Proven record managing Environment, Health and Safety (EHS) programs and reducing risk, enhancing compliance and streamlining operations in challenging work environments. Extensive experience in:

- Program Management
- Occupational Health and Safety
- Team Leadership
- Policy Development
- Environmental Engineering and Protection
- Education
- Strategic Planning
- Emergency Management/Response
- Secret Security Clearance

Leadership and Planning

- Led several professional teams; directed senior scientists to junior technicians in top-level research programs
- Superb skills in personnel management and professional development, training and mentoring
- Built top-priority AF research program, increased staffing by 40% to solve top AF health risk
- Led EHS plans/strategies that optimized occupational health of 65K workers and compliance for 12 bases

Program and Project Management

- 20 years leading and defending programs up to \$25M with 77 personnel completing high-visibility research
 - Extensive experience in continuous process improvement; created EHS programs for 12 Air Force bases
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PROFESSIONAL EXPERIENCE - US Air Force - 1996 to Present

Lead Scientist, Medical NBC Research, US Air Force School of Aerospace Medicine Oct 2016 – Present
Air Force Research Laboratory, Wright-Patterson AFB, OH Lt Col/GS-14

Developing research portfolio to strategically plan and execute all medical nuclear, biological, and chemical research needs focused on Air Force operations. Planning and executing all future hires, up to 15 personnel.

- Managing project for chemical weapon/industrial chemical detection to ensure continued operations anywhere.
- Leading team to determine biological treatment, testing, and clearance for transport aircraft post-contamination.
- Project leader to determine and model how patients can be treated and transported in denied environments.

Director, Battlespace Acoustics Branch (Branch Chief) Oct 2015 – Oct 2016
Air Force Research Laboratory, Wright-Patterson AFB, OH Lt Col/GS-14

Leads team of 27 scientists and engineers with a \$7 million annual budget. Coordinates DoD research in enhanced tactical communication, advanced technologies for battlefield airmen, and advanced acoustic measurement and modeling. Managed \$1M upgrade of world class acoustics testing facility, increasing DoD research capabilities.

- Aligned \$24 million/4-year plan to meet AF needs; transitioned 15 technologies, closing four research gaps.
- Guided \$25 million acoustic counter detection team; research critical for tactic development in 20 aircraft.
- Validated F-35 noise data; delivered to Air Force EHS engineers and technicians throughout the world.

Director, Molecular Bioeffects Branch (Branch Chief) Sep 2014 – Oct 2015
Air Force Research Laboratory, Wright-Patterson AFB, OH Lt Col/GS-14

Led 77 scientists and engineers with \$12 million annual budget in DoD premier bioeffects laboratory, completing research in aerospace toxicology, biological interaction of nanomaterials, and molecular cognition. Managed 38 vendor contractors and 65,000 square-foot facility valued at \$15 million with \$5 million of research equipment.

- Developed 5-year Aerospace Toxicology program; hired three scientists; ensured eight research initiatives met.
- Crafted new vision for agile toxicology mission—AF Scientific Advisory Board noted as best practice.
- Ensured \$5 million human performance science program executed; all Congressional requirements exceeded.
- Drove funding increases by \$7.1M through external mechanisms—ensured basic science funded for three years.
- Orchestrated joint Air Force-Navy research conference with 32 scientists which led to savings of \$200K.

Program Manager, Aerospace Toxicology (Deputy Branch Chief) Jul 2012 – Aug 2014
Air Force Research Laboratory, Wright-Patterson AFB, OH Lt Col/GS-14

Led program with 12 scientists and annual budget of \$5 million. Designed the Aerospace Toxicology Research Program, a top directive by the Air Force to understand the impacts on operators of high-performance aircraft.

- Led effort to model pilot physiology stressors (high altitude and g-stress); key to solve AF top health risk.

- Subject matter expert for DoD program to decontaminate large cargo plans; ensured acquisition process met.
- Directed 8-part toxicology class for AF flight surgeons. Ensured medical doctors attained certifications.
- Appointed as Biosafety Officer for 15 organizations and 800 scientists; all requirements met—BSL3 certified.

Graduate Student (AF Institute of Technology, Civilian Program)

Jul 2009 – Jul 2012

Colorado State University, Fort Collins, CO

Major/GS-13

Competitively selected for AF sponsored Environmental Health-Industrial Hygiene PhD program at Colorado State University. Researched bioaerosol decontamination within engineering tolerances of aircraft materials.

Regional EHS Program Manager (MAJCOM BE Office)

Feb 2007 – Jul 2009

Headquarters Air Mobility Command (AMC), Scott AFB, IL

Major/GS-13

Senior program manager for EHS issues supporting 65K industrial workers at 12 major installations. Provided guidance and policy for over 200 EHS engineers and technicians. Managed \$4.3 million occupational health budget and \$35 million homeland defense budget. Regional lead for OSHA Voluntary Protection Program.

- Water surveillance program manager—ensured drinking water compliance for over 100,000 base residents.
- Set AF policy for off-base industrial chemical risks, ensuring base’s capabilities align with the top risks.
- Integrated EHS aspects into vulnerability assessments; inspector noted as “best seen in 32 years”.
- Managed \$150K EHS contract, providing support to 11 bases and correcting 100 health risks.
- Medical integrator for congressionally mandated Base Realignment and Closure—met all requirements.

Site Environmental Manager (Environmental Protection Officer)

Sep 2008 – Apr 2009

Deployment—NATO Base Commander’s Engineering Staff, Kandahar Air Field, Afghanistan

Major/GS-13

Directed all environmental efforts for Kandahar Air Field (KAF), the largest air base in Afghanistan, comprised of over 22 countries, 40 contractor companies, 13,000 personnel, and \$40 billion in assets.

- Completed water and wastewater vulnerability assessments—secured \$285K to correct 51 deficiencies.
- Engineered expansion for over 20K personnel; ensured water, wastewater and fire-flow requirements met.
- Led water conservation program—cut use 40%/73M gallons per year; ensured operations for 15+ years.

Site EHS Manager (Flight Commander)

Jul 2004 – Feb 2007

Minot AFB, ND

Major/GS-13

Led 33 professionals providing EHS services for 4,800 industrial workers in 206 work centers. Coordinated medical readiness with 12 state and local agencies. Managed 16 drinking water systems, serving 12K personnel.

- Received Inspector General “Outstanding” in readiness and EHS programs; five AF level “best seen” programs.
- Led response team on five real-world incidents—unknown biological contaminant, radioactive gas leak.
- Engaged local and state responders on emergency responses. Solidified plans with city, county, and state.

OTHER POSITIONS AND RESPONSIBILITIES:

1996 – 2002

- Graduate Student, Colorado State University, Fort Collins, Colorado (2002-2004)
- Assistant EHS Manager, (Deputy Flight Commander), Hickam AFB, Hawaii (1999-2002)
- EHS Regional Manager (Flight Chief), Prince Sultan Air Base, Kingdom of Saudi Arabia (4 – 6/1999)
- Assistant EHS Manager (Deputy Flight Commander), Offutt AFB, Nebraska (1996-1999)

EDUCATION AND CREDENTIALS

- Certified Industrial Hygienist (CIH), American Board of Industrial Hygiene
- Doctor of Philosophy, Environmental Health—Industrial Hygiene, Colorado State University, 2012
- Master of Science, Civil Engineering—Environmental, Colorado State University, 2004
- Master of Education, Troy University, 2002
- Bachelor of Science, Civil Engineering—Environmental, United States Air Force Academy, 1996
- Senior Executive Leadership Course (Air War College), 2014
- Mid-Level Executive Leadership Course (Air Command and Staff College), 2006
- Introductory Executive Leadership Course (Squadron Officers School), 2001
- 63 Technical/management courses, 1996-Present

Honors: Eight Command or Site Awards (2014, 2013, 2012, 2007, 2004, 2001, 1999, 1998)