

CRAIG R. FERGUSON, CHP, CSP, PMP

EXPERIENCE SUMMARY

Proven outcome-oriented leader with over 25 years of broad operations, safety, and risk management experience in highly regulated environments including academic research, Department of Energy (DOE) national laboratories, manufacturing facilities, fuel cycle facilities, and the U.S. Navy nuclear propulsion program. Credentials include Certified Health Physicist, Certified Safety Professional, and MS in Safety Sciences. Expertise in identifying and implementing operational efficiency, enterprise risk management, project management and oversight, financial and strategic planning, performance management and governance, investigation and root cause analysis, team building, and personnel development.

DETAILED EXPERIENCE

Senior Consultant – Longenecker & Associates

2015-Current

Provide professional consulting services in support of nuclear and radiological operations, construction safety, assessment, and project management.

Consultant – Ferguson Solutions LLC, Rodanthe, NC

2014-Current

Founder and Principal Consultant in areas of Environment, Safety and Health, Quality, Operations, and Project Management.

Stanford University, SLAC National Accelerator Laboratory, Menlo Park, CA

2008-2014

Appointed to positions of increasing responsibility from *Environment, Safety, and Health Director* to *Director of Office of Planning and Assessment* to current role as *Associate Laboratory Director of Infrastructure and Safety*. SLAC is a national laboratory with over 3000 international users of the Linac Coherent Light Source and Stanford Synchrotron Radiation Lightsource.

As Associate Laboratory Director of Infrastructure and Safety, responsibilities include directing 380 personnel and over \$100M in resources to deliver mission support services of IT, facilities operations and maintenance, capital projects, and environmental, health, and safety services and regulatory compliance. Requested by Laboratory Director and Chief Operating Officer to set up the lab's first assurance function in 2010. Successfully established skill set, recruited and filled positions, and delivered on Laboratory's assurance needs, ensuring proper governance with Stanford and the Department of Energy. This included quality assurance, continuous improvement, institutional risk management, and issues management.

From 2008 to 2010, led the ESH division of 80 staff and lab performance to come from the worst performing Office of Science Laboratory to the best performing Laboratory in areas under my responsibility. Responsibilities included safety and hygiene, radiation protection, fire protection, environmental protection, occupational health, security, and emergency management.

Significant outcomes include:

- Led the turnaround of this DOE Office of Science National Lab's ESH performance from worst to best amongst the ten world-renowned labs.
- Identified and implemented efficiencies while providing increased mission support and reducing budget by 20%.
- Delivered on \$200M of capital projects including office and lab space.
- Hired and promoted key leaders and subject matter experts in broad array of need including IT, Engineering, Project Management, and EHS.
- Managed significant institutional risk items while protecting Stanford and Department of Energy assets.
- Established value-added program support elements while removing bureaucratic, low- or no-value directives.
- Established and maintained positive relationship with regulators.
- Led assessments and oversight for other national labs at their request.

Environment, Health, Safety, and Quality Director – Thomas Jefferson National Accelerator Facility, Newport News, VA

2005-2008

Responsibilities included all aspects of safety, hygiene, fire protection, radiation safety, and occupational health for this world-class scientific laboratory centered around a high-intensity, continuous wave electron beam, which provides a unique capability for nuclear and particle physics research. Led the turnaround in performance in areas of responsibility including significant reduction in injuries and events.

Significant outcomes include:

- Designated as one of the few "key personnel" executives on successful Management and Operations contract recompetition.
- Integrated EHS in to operations of lab.
- Identified and appointed successful leaders and subject matter experts in critical mission support areas.
- Established key performance indicators leading to better decisions and improved performance.

Babcock and Wilcox, Oak Ridge, TN and Lynchburg, VA

1997-2005

- **BWXT Y-12 National Security Complex**

2000-2005

Held positions of increasing responsibility including ESH Manager for enriched uranium production operations restart and Director of ESH for this 5000 employee facility, managing 500 ESH employees in support of nuclear operations including fire protection, industrial safety and hygiene, radiation protection, occupational health, and criticality safety. Led significant improvement in safety performance starting right after Management and Operations transition to B&W.

Significant outcomes include:

- Restart of enriched uranium operations, which had been shut down for years.
- Met or exceeded all government deliverables.
- Implemented behavior based safety program resulting in 30% reduction of injuries.
- Reduced operational costs by 25% through eliminating low-value activities.

- **Manager of Licensing and Safety Analysis – Babcock and Wilcox Naval Nuclear Facility Division**

1997-2000

Managed the Nuclear Regulatory Commission license for this naval reactors supplier. Led and documented safety analysis of R&D and production aspects of operation in support of mission and regulatory compliance and quality. Selected to help develop bid proposal for M&O of Y-12, and then served upon successful award.

Significant outcomes include:

- Successfully negotiated NRC license changes to support business growth.
- Completed first ever facility hazards analysis resulting in plant changes to improve safety, protect property, and improve operational reliability.

EG&G, Rocky Flats and Mound Laboratory

1991-1997

Held radiological engineer and operations supervisor positions at Rocky Flats and Mound Laboratory. Supported several production campaigns and clean-up projects at these facilities.

U.S. Navy, Nuclear Propulsion Program

1982-1991

Nuclear trained engineering laboratory technician and supervisor with various positions including nuclear plant operator on aircraft carrier, nuclear repair supervisor for fast attack submarine squadron, and department supervisor of nuclear support facility.

EDUCATION AND TRAINING

Indiana University of Pennsylvania, Indiana, PA

Master of Science in Safety Sciences

Excelsior College, Albany, NY

Bachelor of Science in Nuclear Technology

Vermont Technical College, Randolph, VT

Associate of Science in Mechanical Engineering Technology

Naval Nuclear Propulsion Program, US Navy

Stanford Leadership Program

CERTIFICATIONS

Certified Health Physicist

Certified Safety Professional