

JEFFREY KENT CRAVENS

EXPERIENCE SUMMARY

More than 20 years of experience in operations, training, and quality assurance at nuclear weapons facilities and naval shipyards. Procedure development. Planning, direction, oversight, startup/restart, and mentoring of nuclear operations. Training and operations/emergency response drills. ISO 9001 quality management systems.

DETAILED EXPERIENCE

Longenecker & Associates, Inc.

Executive Consultant, Present

Innovalysis Corporation

Oak Ridge, Tennessee, 2011 – Present

Vice President for Operations and Consultant-at-large

Establish and maintain company infrastructure and operating guidance. Since retiring from the federal government, work as consultant-at-large developing procedures, policies and other guidance for the newly-organized National Nuclear Security Administration (NNSA) Uranium Production Facility Project Office (UPO) and the NNSA HQ Acquisition and Project Management (NA-APM) organization.

National Nuclear Security Administration, NNSA Production Office (and former Y-12 Site Office)

Oak Ridge, Tennessee, 1995 – 2000, 2002 – 2013

Held the following positions at the Y-12 National Security Complex:

Assistant Manager for Governance and Performance Assurance

Supervised a staff of Quality Assurance Engineers and Specialists, Records Management Specialists and Program Managers/Analysts to plan, develop, and implement federal oversight of facility and nuclear weapons quality assurance programs as well as M&O contractor assurance functions. Provided technical direction to the M&O contractor in the area of quality assurance, contractor assurance, and records management.

- Instrumental in planning and implementing the consolidation of site offices from two states (Tennessee and Texas) into a single production office.
- Designed and implemented a paperless infrastructure for the consolidated office.

Assistant Manager for Operations Management

Supervised a staff of Facility Representatives, Operations Engineers and Training staff to plan, develop and implement federal oversight of operations at the Y-12 National Security Complex. Provided technical direction to the M&O contractor in the area of operations, maintenance and training.

- Developed and implemented innovative operational oversight planning processes to improve focus on risk-driven priorities.
- Established a collaborative environment for operational oversight to make better use of limited resources.

Lead Operations Engineer

Led and mentored Operations Engineers and Facility Representatives in the planning and conduct of in-field oversight of nuclear startup/restart activities and operations to ensure formality of operations, safety and compliance with environmental and other federal regulations and contract requirements.

- Part of the steering committee that achieved and maintained ISO 9001 registration for the Y-12 Site Office.
- Collaborated with M&O contractor to develop and implement an innovative approach to achieving and demonstrating operational readiness for startup/restart of nuclear and non-nuclear facilities.

Senior Facility Representative

Provided in-field oversight of nuclear operations to ensure formality of operations, safety and compliance with environmental and other federal regulations and contract requirements.

- Selected as 2004 DOE Facility Representative of the Year

US Department of Energy, Oak Ridge Operations Office***Oak Ridge, Tennessee, 2000 – 2002******Director, Assessment and Emergency Management Division***

Planned, developed and directed effective and efficient emergency management and assessment services to all Oak Ridge Operations Office activities. Developed and provided expert technical staff to support the execution of environment, safety, health, quality assurance, and emergency management functions on behalf of the Oak Ridge Operations Office line management organizations.

- Developed and deployed a full-time, diversely-qualified federal assessment team.
- Improved coordination and reinvigorated the emergency management organization.
- Streamlined operations of the quality assurance team.
- Helped design and deploy an automated information management system that eventually became the standard for the NNSA.

Department of Defense, Norfolk Naval Shipyard Nuclear Refueling Division***Portsmouth, Virginia, 1989 – 1995******Held the following positions at Norfolk Naval Shipyard:******Branch Chief, Training and Evaluation***

Formulated and supervised the training of Shift/Chief Refueling Engineers, Nuclear Support Engineers, and Naval and production personnel involved in the refueling of naval nuclear reactors. Branch activities included the development, implementation and evaluation of emergency response drills.

- Institutionalized a division-level continuing training and operational drill program.

Assistant Chief Refueling Engineer

During the decommissioning of the U.S.S. Virginia ensured proper planning and conduct of training, and supervised the activities of Shift Refueling Engineers assigned to the nuclear reactor plant defueling project. Activities also included identification and resolution of problems during each phase of the project. Represented the shipyard in negotiations and commitments with other government agencies, regulators and oversight groups, contractor design agencies, and private vendors. Continued to provide technical direction during abnormal/emergency situations.

- Streamlined the nuclear fuel movement process to triple the productivity rate.

Shift Refueling Engineer

Directed work crews consisting of diverse craft and technical personnel during reactor controls disassembly, reactor fuel removal and installation, and reactor vessel reassembly and seal welding. Responsible for ensuring correct performance of the work and directing emergency response during abnormal events to achieve a safe and stable condition.

- Selected to spend several months at Mare Island Naval Shipyard assisting in the training and qualification of new and experienced Shift Refueling Engineers.

Nuclear Engineer/Lead Engineer

Prepared technical reports and procedures related to the refueling of Naval nuclear vessels. Responsible for review and approval of technical procedures prepared by other engineers.

- Standardized the procedure review process to achieve better results.

EDUCATION

University of Tennessee, Knoxville, Tennessee
Bachelor of Science, Mechanical Engineering

ADDITIONAL INFORMATION

Active DOE Q Clearance

Additional Language: French, fluent in speaking, reading and writing