

LONGENECKER and ASSOCIATES

EXPERIENCE SUMMARIES FOR KEY PERSONNEL

Franklin B. Smith

EXPERIENCE SUMMARY

Mr. Smith has over 35 years of experience in the nuclear power and spent nuclear fuel and high-level radioactive waste industries. The majority of this experience has involved development and maintenance of quality assurance programs for commercial nuclear power plants for design, construction, and plant operations. In addition, Mr. Smith has played a key role in the QA Program development and requirements management functions pertaining to Yucca Mountain Project site characterization activities and post closure science activities pertaining to the disposal of spent nuclear fuel and high-level radioactive waste.

DETAILED EXPERIENCE

Mr. Smith is currently providing senior level consulting services to Sandia National Laboratories; the Lead Laboratory for the post closure science activities on the Yucca Mountain Project. In this role, Mr. Smith is on the team responsible for developing the Quality Assurance Program and infrastructure to support post closure science activities, controlled by Sandia National Laboratory, that pertain to the disposal of spent nuclear fuel and high-level radioactive waste at Yucca Mountain.

Prior to this assignment, Mr. Smith managed the Quality Assurance Requirements and Description (QARD) (DOE/RW-0333P) Requirements Matrices on behalf of DOE's Office of Civilian Radioactive Waste Management (OCRWM). This included the matrix for OCRWM, OCRWM's M&O contractor; the U.S. Geological Survey; and the Los Alamos, Sandia, Berkley, and Livermore National Laboratories. The nature of work involved identifying and evaluating "Q" implementing procedures as they were revised to confirm that they continued to meet and adequately implement QARD requirements. Mr. Smith monitored and evaluated the QARD Requirements Matrix of all affected organizations to ensure that their QA Programs were being adequately maintained.

Mr. Smith provided support to the DOE Yucca Mountain Project in the area of Compliance Management. Duties included expert consultation and support to assist with technical and compliance management oversight of the QA and deficiency remediation functions and requirements tracking methodologies.

Mr. Smith also provided quality assurance program development and management system support to the DOE Yucca Mountain Project. Duties included development of regulatory-based QA programs, management systems, and procedures supporting scientific investigation and construction activities.

Mr. Smith managed the corporate-level support for the development, implementation and periodic assessment of the Browns Ferry, Sequoyah, and Bellefonte Nuclear Plant site management systems. He also managed the development, implementation and maintenance of onsite management systems to support the recovery from regulatory shutdown of both Browns Ferry and Sequoyah Nuclear Plants.

Mr. Smith directed the development of QA programs for TVA organizations supporting the nuclear program. In addition, he developed and maintained TVA's Nuclear Quality Assurance Plan. While performing this function, Mr. Smith served as TVA's primary interface with the Nuclear Regulatory Commission for all QA program matters.

Mr. Smith managed review and evaluation of corporate-level QA plans, manuals and procedures for nuclear plant operations phase activities and he managed the development and maintenance of TVA's Nuclear Quality Assurance Manual.

At TVA, Mr. Smith's other QA responsibilities included: preparation of nuclear operations phase QA program and implementing procedures, review and approval of line QA and Quality Control implementing procedures for compliance with applicable regulations and industry standards, and conducting quality assurance audits of nuclear activities both onsite and at the corporate offices. Mr. Smith also acted as TVA's representative during the review and comment of proposed new and revised nuclear industry regulations and standards. He managed the planning and conduct of QA audits of Bellefonte Nuclear Plant construction phase activities in the mechanical engineering and welding/NDE disciplines.

At Baltimore Gas and Electric, Mr. Smith was a member of the initial Operations QA Staff and he played a key role in the establishment, development and implementation of the Calvert Cliffs Nuclear Plant operations phase QA program. Prior to this position, he served as the Control Room Operator at the Calvert Cliffs Nuclear Plant. In this position, Mr. Smith prepared operations, test, emergency and flush procedures and served as Control Room Operator during Hot Functional testing of Calvert Cliffs, Unit 1.

GOVERNMENT SERVICE

U.S. Navy, Nuclear Power Program (Submarines)

Leading Engineering Laboratory Technician, February, 1966 through February, 1972

Mr. Smith was the Lead Engineering Laboratory Technician for the U.S. Navy Nuclear Power Program. Mr. Smith managed the radiological and chemical control programs associated with the nuclear propulsion plant. Mr. Smith operated submarine nuclear propulsion plant mechanical systems and performed corrective and preventive maintenance on nuclear and non-nuclear mechanical systems.

EDUCATION

- B.S., Business Administration, University of Alabama
- Nuclear Power Training, U.S. Navy