

LONGENECKER and ASSOCIATES

EXPERIENCE SUMMARIES FOR KEY PERSONNEL

George E. Callender

EXPERIENCE SUMMARY:

Mr. Callender has over 30 years experience in the nuclear/chemical industry, which includes twenty-two years, experience in the commercial nuclear industry and twenty plus years experience at DOE GOCO Nuclear Chemical Processing Facilities.

He has 10 years experience in the Navy Nuclear Shipbuilding Program. Mr. Callender held positions with increasing responsibilities in the Outside Machinery Department as a journeyman machinist, machinery scheduler, supervisor and superintendent.

Mr. Callender has thirty plus years management experience in Quality Assurance and he has extensive experience in creating, implementing and refining quality assurance programs/systems and plans to ASME NQA-1, Mil-Q-9858A, MIL-I-45208, DOE Order 5700.6C & 414.1A, 10CFR830.122 and ISO 9000 standards. He also has extensive auditing and assessment experience.

Mr. Callender has a proven record of performance with increasing responsibilities as a Journeyman Machinist, Machinery Scheduler, Supervisor, Engineer, and Manager. Experienced Manager of Multi-Functional Organizations with extensive knowledge of manufacturing, fabrication, assembly, installation techniques, and Total Quality Management. Personal strengths include perceptive problem solving skills, excellent people skills, high motivation and energy levels, dedication, keen intellect and strong organizational capabilities.

Mr. Callender has experience in the development and implementation of quality improvement strategies using statistical quality control techniques. He has designed and setup manufacturing processes to minimize nonconformance and reduce cycle time. He has extensive skills in assisting Licensees in the development and implementation of their manufacturing and Quality Assurance programs.

DETAILED EXPERIENCE:

Mr. Callender is currently Conference Chair for the American Society for Quality, 2006 Audit Division Conference which will be held in October, 2006 in Reno, Nevada. He has been deeply involved with the development of the Conference Brochure, negotiating contracts with the Pre-Conference Tutorial Instructors, placing contracts for the printing of the Brochure and other conference items, including arrangements for the conference with the hotel.

In January, 2006, after 33+ years, Mr. Callender retired from Westinghouse Savannah River Company. In this position, Mr. Callender was Quality Assurance Program Manager for the Closure Business Unit. The Closure Business unit consists of approximately 4400 personnel. The CBU Quality Assurance Organizations are responsible for the development, implementation and maintenance of the Quality Assurance Program to achieve compliance with ASME-NQA-1, DOE Order 414.1A, QA Rule (10CFR830.122), DOE/RW 0333P and contractual requirements. In 2005, Mr. Callender provided consulting services to Los Alamos National Laboratory in the development and implementation of their Quality Assurance Program to achieve compliance to QA Rule, 10CFR830.122. He spent approximately 3 months at Los Alamos during 2005. During this period, he interfaced with Senior DOE QA personnel, Las Alamo Senior Management, and Las Alamo Quality Management and Quality Assurance personnel.

For ten years, prior to the above assignment, Mr. Callender was Manager, Quality Verification

and Shift QA, Nuclear Materials Storage and Stabilization Division and Manager, Division Quality Assurance, Nuclear Material Processing Division (NMPD) at Westinghouse Savannah River Company, Aiken, SC. He managed a multi-functional Quality Assurance Organization comprised of Separations ("F" and "H" areas) and Division Quality Assurance Support. He was responsible for the development, implementation and maintenance of the Quality

Assurance Program to achieve compliance with ASME NQA-1, DOE Order 700.6C, 10CFR830.120 and contractual requirements. He was responsible for a \$6.0 million budget and managed a staff of 59 employees.

In 1993, Mr. Callender was named Manager, Division Quality Assurance and Total Quality, for Westinghouse Electric Corporation at the Magnet Systems Division (MSD), Round Rock, TX. He planned, initiated and directed establishment of the Quality Assurance Organization and Program for a start-up division for the manufacture of Super Conducting Magnets. He was responsible for a budget of \$2 million and managed three sections with total staff of 15 employees.

For three years prior to the above assignment, he was Manager, Division Quality Assurance, Nuclear Material Processing Division, (NMPD), Westinghouse Savannah River Company, Aiken, SC. He managed a multi-functional Quality Assurance Division comprised of Reactor Materials, Separations and Tritium departments. He planned, initiated, and directed implementation of the Quality Assurance Program in compliance with ASME NQA-1, DOE Order 5700.6C and contractual requirements. Responsible for a \$12.5 million budget and managed a staff of 182 employees.

Two years prior, Mr. Callender was Manager, Waste Management Quality Assurance Department, Waste Management and Environmental Restoration Division, Westinghouse Savannah River Company, Aiken, SC. He managed a multi-functional Quality Assurance Department comprised of Quality Engineering, Quality Systems, Quality Inspection and Consolidated Management System. Determined size, structure and staffed this organization from beginning into a well performing Department. Planned, initiated, and directed implementation of the Quality Assurance Program in compliance with ASME NQA-1 and contractual requirements. Responsible for a \$2.5 million budget and managed a staff of 42 employees.

For 5 prior years, Mr. Callender was Manager, Quality Assurance Department, Westinghouse Idaho Nuclear Company, Inc., Idaho Falls, Idaho. He managed a multi-functional Quality Assurance Department comprised of Quality Engineering, Quality Systems, and Quality Inspection. Managed a staff of 72 personnel (Managers, Supervisors, Engineers, and Inspectors) performing all aspects of the WINCO Quality Assurance Program. Planned, initiated, and directed implementation of the Quality Assurance Program in compliance with ASME NQA-1, and contractual requirements. Responsible for and managed the Quality Assurance Department and Surety Program with a \$6.5 million budget.

For 12 years, Mr. Callender held a number of positions of increasing responsibility at Westinghouse Electric Corporation, Nuclear Components Division in Pensacola, FL. He was Manager, BRCP Project and Manufacturing; Manager, Manufacturing and Special Processes; Manager, Special Projects; Manager, Quality Assurance Engineering; Manager, International Quality Assurance; Senior Quality Assurance/Reliability Engineer and Quality Assurance/Reliability Engineer. Duties for the above positions included responsibilities to: plan, initiate and direct preparation of proposals for new work for the division in the commercial and defense arena. Responsible for the manufacture of the shell support structure for the Advanced Tordial Facility and the Breeder Reactor Plant Project Steam Generator for the Department of Energy. Managed a Quality Assurance Section comprised of a staff of 17 engineers; plan, initiate, and

directed implementation of the Quality Assurance Program in compliance with ASME NQA-1, and contractual requirements including the oversight of the installation of the reactor vessel internals at nuclear plant sites around the world. Interfacing with customer representatives, Regulatory Agencies (such as NRC, DCAS, and State). In addition, he directed and assisted Westinghouse licensees in Europe and the Far East develop and implement manufacturing and Quality Assurance Programs and verified that components being manufactured by the licensees complied with Westinghouse standards.

Mr. Callender was responsible for all Quality Assurance Functions associated with the assembly of the reactor vessel internals for commercial power plants, including Quality Assurance responsibility for licensees in Europe building reactor vessel internals to the Westinghouse designs.

Mr. Callender spent 10 years in the Shipbuilding industry at Ingalls Shipbuilding Corporation in Pascagoula, MS. He held positions of increasing responsibility including: Superintendent of the Outside Machinery Department, Nuclear Submarine Program. He was responsible for the Outside Machinery Department, including budgetary. He managed the outside machinery department which consisted of approximately two hundred personnel including hourly and supervisory employed in the construction and overhaul of nuclear submarines. For a short period of time, he was Chief of Production Control, Nuclear Submarine Program, where he supervised ten machinery planners responsible for procurement and scheduling of the installation of machinery items aboard the nuclear submarines. He also served as assistant to the Outside Machinery Superintendent. He held positions as Chief Machinery Scheduler, Nuclear Submarine Program; Machinery Scheduler, Nuclear Submarine Program; Machinery Workleaderman, Nuclear Submarine Program; Journeyman Outside Machinist, Nuclear Submarine Program; and Apprentice Outside Machinist, Nuclear Submarine Program.

During the time when Mr. Callender was obtaining his BS degree, he was a Vocational Instructor, for the Mississippi Gulf Coast Junior College District, and he taught math, science, drafting and physics in the Ingalls Apprentice Program.

EDUCATION:

St. Martin High School, North Biloxi, MS

- Graduated first in class.

Associate of Science, Jackson County Junior College, Gautier, MS

- Graduated with honors.

Bachelor of Science, Mechanical Engineering, University of South Alabama, Mobile, AL