

LONGENECKER and ASSOCIATES

Don E. Adkins, Sr.

Summary of Qualifications

Thirty-eight years experience in heavy metal fabrication, construction, testing and operations in the nuclear and fossil utility industry specializing in Quality Assurance (QA), Quality Control (QC), Nondestructive Examination (NDE), and Project Management activities. Additionally, I have extensive experience in conduct of audits, assessments, source surveillance, and management activities.

Experience

- Jan-May 2006 – Provided QA support to the Tennessee Valley Authorities (TVA's) Inspection Services Organization (ISO) located at the Sequoyah Nuclear Plant in Soddy Daisy, TN during outage season through TVA's retirees association. Reviewed contactor certification programs, personnel certification packages, administered eye examinations as needed, updated and maintained TVA's certification tracking data base, organized TVA's QC and NDE training/certification program lesson plans and scanned into electronic database as PDF files for preservation.
- Sept-Oct 2005 – Working as ACS provided source surveillance oversight at Thermal Engineering Intl., in Joplin, MO for TVA's Fossil Engineering Group. Witness the fabrication of two high pressure feed-water heaters for TVA's Cumberland Fossil Steam Plant. Established hold points included the following: handling, insertion, welding, expansion, liquid penetrant examination and leak testing of stainless steel tube to tube sheet welds; magnetic particle examination of tube bundle skirt welds; fit-up, welding, PWHT and ultrasonic examination of the shell assembly to the tube bundle assembly girth weld; fit-up, welding, PWHT, and code hydrostatic testing of the high pressure feed-water heaters.
- Jun-Aug 2005 – Worked through Intech and prepared an in-house "Lessons Learned" training handbook for the TVA Power Service Center Quality Assurance group in Muscle Shoals, AL. The handbook was created using data from TVA's Corrective Action Program to identify the most common and costly mistakes made by the employees during the past five years.
- Sept-Nov 2004 – Worked through Intech and prepared a roving inspection surveillance procedure and checklist for Ontario Power Group (Pickering and Darlington Nuclear Plants) located in the Pickering, Ontario area. Additional, performed surveillance activities of remote computerized ultrasonic (UT) and eddy current (ET) examinations of Pickering Nuclear Plant's Unit 7 reactor fuel channels and other QC activities.
- Jul 2002 - Apr 2004 – Worked for TVA's Inspection Services Organization performing the duties of Quality Control Manager for the Unit 1 Restart Project at Browns Ferry Nuclear Plant reporting to the Unit 1 Nuclear Assurance Manager. Responsibilities include organizational planning, staffing, budget, selection and training of personnel and the day-to-day operations. QC department had overall responsibilities for ensuring the quality of all discipline modification activities; i.e., civil, electrical, instrumentation and control, mechanical, and surface NDE methods.
- May 2001- Jul 2003 – Prepared an in-house QA Program for Adkins Consulting Services (ACS) in accordance with NQA-1 and ISO-9002 requirements. Also developed an ultrasound training program for Ultrasonics of Nashville and General Motors.

- Feb–Apr 2001 – Working as ACS performed source surveillance activities at Struthers Industries, Inc. located in Gulfport, MS for TVA’s Fossil Engineering Group during the fabrication of two high pressure feed-water heaters. Reviewed contract between TVA and Struthers, Struthers QA program, and verified implementation of Struthers’ QA program during the fabrication of the two feed-water heaters. Witnessed fabrication and inspection activities were fit-ups, welding, machining, hydrostatic testing, magnetic particle, penetrant and visual examinations. Also witnessed final vessel preparation for shipment, which included removal of weld spatter and handling damage (dings and dents) and all other foreign extraneous materials prior to application of paint; installation of code name plates to vessels and loading on trucks for shipment.
- May 1998–May 2001– Working as ACS provided support to Black & Veatch (B&V) Engineering, located in Overland Park, KS, primarily in the area of Quality Assurance. Managed a group of ten contract personnel performing internal and vendor audits, performing source surveillance activities at vendor facilities, both domestic and international, performing final document package reviews and release to ship products, writing procedures, assisted B&V in preparation for ASME III “N”-stamp survey, providing consultant services and acted as liaison between B&V and General Electric during GE’s annual audits of B&V. Responsible for the selection of employees in the group and subsequently trained, tested and certified each as lead auditors to ASME/NQA-1 requirements under the B&V Quality Assurance Program. Directed day-to-day activities of Adkins Consulting Services in support of client needs.
- Mar 1997–Mar 1998 – Was contracted to Entergy Operations, Inc., Jackson, MS by TVA to provide QA support to the Material Requirements group. Responsible for review and approval of over forty Nuclear Utility Procurement Issues Committee (NUPIC) audit reports of suppliers. Supported Arkansas Nuclear Plant One’s steam generator replacement project by performing source surveillance at steel mills in Japan and France. Participated in the QA audit of Westinghouse Electric Corporation’s Energy Systems Business Unit. Westinghouse was the prime contractor for the Arkansas Nuclear steam generators. Also performed source surveillance at ABB-Combustion Engineering and General Electric Nuclear Energy during fabrication of nuclear fuel for Entergy Operations.
- 1996–1997– Participated in developing an ISO 9000 Quality System for TVA’s Information Services Organization. This included a Quality System manual, Quality Procedures Manual and Work Instructions.
- 1994–1995 – Managed the development of the TVA’s ISO 9000 QA Program, which included training, and certification of auditors and development of a QA manual.
- 1993–1994 – Performed final reviews and initiated closure of outstanding engineering change papers; i.e., Engineering Changes Notices (ECN’s), Design Change Notices (DCN’s), Field Change Request (FCR’s), etc. at Sequoyah Nuclear Plant during seventeen month special assignment.
- 1993–1994 – Participated as member of the Sequoyah Nuclear Plant’s Raw Water Task Force during the operability assessment and repair or replacement of degraded piping and components during a fourteen-month assignment.
- 1992–1993 – Performed as backshift QC outage manager during Sequoyah Nuclear Plant Unit 2 refuel outage.

- 1989–1992 – Performed oversight of General Electric Nuclear Services while performing ASME Section XI in-service inspections of both unit 2 & 3 boiling water reactors at Browns Ferry Nuclear Plant during several refuel outages.
- 1989–1992 – Performed performance based audits and assessments at all TVA nuclear plants in areas of modifications, welding, non-destructive examinations, and contractor control and performance.
- 1987–1988 – worked in TVA’s Technical Support Branch and managed seven technical specialists in the development, implementation, and maintenance of TVA’s Nuclear Quality Control Inspector training program.
- 1979–1986 – worked as Quality Control General Foreman at Combustion Engineering responsible for giving direction to six lower grade foremen and forty to fifty inspectors in the performance of in-process and final inspections during the manufacturing of commercial and DOD Navy nuclear components and fossil components for the power generation industry.
- 1974–1979 – worked as Quality Control foreman at Combustion Engineering in Chattanooga, TN responsible for making assignments and providing direction to QC inspectors performing all aspects of inspection, including calibration of measuring and test equipment, receipt inspections, fit-up, welding, machining, non-destructive examinations, hydrostatic test, and final inspections prior to shipment of nuclear components.
- 1970–1974 – worked as Quality Control inspector at Combustion Engineering in Chattanooga, TN performing in-process and final inspections such as receipt of materials, hot forming, quench and temper, heat treatment, fit-up, welding, nondestructive examinations, hydrostatic testing, final as-built dimensions and preparation for shipment of nuclear components.
- 1967–1969 – worked as a lab technician at Combustion Engineering in Chattanooga, TN performing destructive tests of silver plated o-rings for nuclear reactors, nuclear piping for stress/strain curves at rupture in support of the Navy’s investigation of the USS Thressure incident, and installed strain gages, thermocouples, and linear variable differential transformers (LVDTs) on a Navy submarine nuclear reactor to gather data during simulated operation.

Education and Professional Achievements

- College level courses in engineering and business
- Numerous company sponsored and outside management training courses
- Certified ANSI N45.2.23 Lead Auditor
- Previously certified ISO 9000 Auditor, RAB Certificate Number Q05309
- Previously certified SNT-TC-1A Level II in MT and Level III PT
- Previously certified NAVSEA 250-1500 Supervisor Level in PT, VT and UT
- Previously certified ANSI N45.2.6 Level II in Mechanical and Welding Inspection.
- Previously certified Weld Inspector, American Welding Society, Certificate Number 80120021