
LONGENECKER and ASSOCIATES

C. Duane Allred

EXPERIENCE SUMMARY

Mr. Allred has more than 40 years experience in both the commercial and governmental sectors of the nuclear industry. His experience has included activities related to the planning, design, commissioning, operation, restart, and environmental restoration phases of nuclear facilities. This experience has provided Mr. Allred with a set of basic skills applicable to many business sectors.

DETAILED EXPERIENCE

02/2001 to 03/2006 **SENIOR QUALITY ASSURANCE SPECIALIST, BECHTEL SAIC COMPANY, LLC (BSC), LAS VEGAS, NV, assigned to the Quality Systems Group of the Quality Assurance Department.**

Functioned as the Subject Matter Expert (SME) for quality requirements as well as procedure development and review processes within the QA Department. Activities included supporting specification and implementation of a new BSC requirements management system and transition to a new procedure system and document hierarchy. Duties also included conduct of assigned assessments and surveillances as well as serving as the Change Management SME for new initiatives in the QA Department.

03/1999 to 02/2001 **SENIOR QUALITY ASSURANCE SPECIALIST, QUALITY ASSURANCE TECHNICAL SUPPORT SERVICES/SAIC, LAS VEGAS, NV, assigned to Quality Systems/Procedure Integration.**

Supervised procedure specialists supporting procedure development activities for the YMP M&O contractor. Acted as the SME for administrative process controls governing procedure development, review, and approval. Duties also included support of client/contractor procedure integration activities as well as development of new/revised procedures and conduct of assigned assessments and surveillances as assigned.

10/1997 to 03/1999 **COMPUTER SKILLS TRAINEE, CHATTANOOGA, TN**

Took leave from active employment to upgrade skills in the areas of database and internet/intranet applications. Through experience with database systems and self-study, acquired a thorough knowledge of methodology for developing database applications using Microsoft Access and Visual Basic for Applications. Extended experience in authoring intranet content to development of dynamic web pages using such tools as Microsoft Front Page, ActiveX tools, and Visual Basic Scripts.

- 10/1990 to 10/1997** ***SENIOR ENGINEER, TENERA LLC, ROCKY FLATS SITE, DENVER, CO; HANFORD SITE, RICHLAND, WA; OAK RIDGE FACILITY, OAK RIDGE, TN***
- Developed and implemented standards-based functional programs in DOE's nuclear weapons complex.
- Rocky Flats – Developed standards-based functional program documents and tracked functional program compliance with environment, safety, health, and quality (ESH&Q) standards. Also developed structure and content of Standards organization intranet web site
 - Hanford Site – Developed ESH&Q standards-based functional program documents
 - Oak Ridge Facility – Developed optimized work process models for engineers responsible for plant system construction and modification projects
- 08/1990 to 10/1990** ***SENIOR ENGINEER, MILLICAN & ASSOCIATES, SAVANNAH RIVER SITE, AIKEN, SC***
- Defined and implemented document control systems for restart of plutonium production reactors. Processes and tools for document identification, classification, and tracking were developed for use by plant staff.
- 10/1989 to 08/1990** ***SENIOR ENGINEER/PROJECT MANAGER, NUS CORPORATION, R.E. GINNA NUCLEAR POWER STATION, ROCHESTER, NY***
- Supported and managed administrative procedures project. Duties included document development as well as installation and administration of local area network for document publishing, QA requirements tracking, and project management applications.
- 08/1988 to 10/1989** ***SENIOR ENGINEER, SELF-EMPLOYED, TENNESSEE VALLEY AUTHORITY, CHATTANOOGA, TN***
- Developed methodology for electronic publishing of human-factored emergency, maintenance, operating, and other technical procedures for restart of TVA's nuclear power plants.
- 07/1986 to 08/1988** ***SENIOR ENGINEER, M.H. STURDIVANT & ASSOCIATES, TENNESSEE VALLEY AUTHORITY, CHATTANOOGA, TN***
- Developed methodology for electronic publishing of human-factored maintenance, operating, and other technical procedures for restart of TVA's nuclear power plants.
- 09/1983 to 07/1986** ***SENIOR ENGINEER, MILLICAN & ASSOCIATES, TOLEDO EDISON'S DAVIS BESSE NUCLEAR PLANT, TOLEDO OHIO; UNION ELECTRIC'S CALLAWAY NUCLEAR PLANT, CALLAWAY CO., MO; CONSUMER POWER'S MIDLAND NUCLEAR PLANT, MIDLAND, MI***
- Designed, specified, and implemented information systems and developed procedures for commercial nuclear power plants, including.

- Davis Besse – Defined and implemented new facility procedures and records management systems for plant restart and operation
- Callaway – Developed programming specification for records management and personnel training database applications
- Midland – Implemented configuration and commitment management database applications

09/1982 to 09/1983 *NUCLEAR PROJECT STAFFING CONSULTANT, SELF EMPLOYED, BELLEVUE, WA*

Identified and submitted qualified candidates for positions in the nuclear utility industry

03/1982 to 09/1982 *SENIOR ENGINEER, SELF EMPLOYED, LAGUNA VERDE NUCLEAR PLANT PROJECT, JERICHO, NY AND VERA CRUZ, MEXICO*

Evaluated plant mechanical, electrical, instrumentation, and control system designs. System drawings and specifications developed by the architect/ engineer were reviewed to verify compliance with functional and quality requirements.

11/1970 to 03/1982 *SENIOR ENGINEER, EXXON NUCLEAR COMPANY, BELLEVUE, WA*

Performed field consulting services at various PWR and BWR plants, including General Public Utility's Oyster Creek Plant, Commonwealth Edison's Zion Plant, Florida Power & Light's Turkey Point and St. Lucie Plants, and Northern States Power's Monticello Plant in the areas of plant system preoperational testing, design evaluation, and operations support. Other areas included QA program definition and implementation, management assessment, and outage planning.

07/1962 to 11/1970 *ENGINEER, GENERAL ELECTRIC COMPANY, SAN JOSE, CA*

Conducted preoperational and power testing at various BWR plants, including Commonwealth Edison's Dresden Plant, RWE's Gundremmingen Plant in Germany, and GKN's Dodewaard Plant in the Netherlands. Obtained Senior Reactor Operator Licenses as required. Additionally, completed GE's A-B-C Courses and performed power plant thermal-hydraulic analyses, analytical methods development for loss-of-coolant accidents, and fuel cycle economic studies.

EDUCATION

Bachelor of Science, Mechanical Engineering, University of Idaho (1962)