



Nuclear Regulatory Commission
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APP000017
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EDUCATION

Bachelor of Science in Electrical Engineering with honors
 College of Engineering, Auburn University (1975)

PROFESSIONAL EXPERIENCE

Shaw AREVA MOX Services, Aiken, SC

S&S Technical Resource (6/11 to Present)

- Provide S&S technical expertise to design and operations personnel to ensure effective, compliant S&S programs are implemented in the MOX facility
- Provide program management direction of S&S resources as requested by the MOX management team

Savannah River Nuclear Solutions, Aiken, SC

Security Director – Deputy Director (8/08 to 5/11)

- Director of an organization of approximately 270 people
- Responsible to provide MC&A, security, emergency management and emergency response to over a dozen industrial plants located on a 310 square mile government reservation

Westinghouse Savannah River Company /

Washington Savannah River Company, Aiken, SC

Computer Security Manager (9/07 to 8/08)

- Manager of the Computer Security organization
- Responsible for computer security for more than 14,000 computing resources in support of a large government manufacturing reservation
- A primary leader responsible for transforming an unacceptable computer security program into a program recognized as “best in the DOE” enterprise by the independent audit team

Principal Technical Advisor Pit Disassembly and Conversion Facility Design (9/00 to 9/07)

- Provided leadership, oversight, and expert guidance to resolve technical, organizational and strategic issues related to design and construction of a 100,000 square foot plutonium disposition facility.
- Provided key leadership role in technical decision-making for S&S and operations issues.

Complete Secy-028

Secy-02

F Canyon/F B-Line Deactivation Planning Manager (11/99 to 9/00)

- Responsible for direction of the program to plan the deactivation of the main fuel reprocessing and metal finishing facilities at SRS.
- Planned, directed, managed, and supervised technical and engineering studies to determine deactivation scope, schedule, and required funding.
- Supervised and directed senior technical SRS and sub-contract personnel to plan disposition of accountable quantities of nuclear material and contaminated equipment and facilities.
- Communicated program progress and issues to senior corporate, DOE-SR, and DOE-HQ management personnel.

Startup Manager (3/97 to 2/98)

- Managed startup activities for nuclear startup of a facility to produce high quality Pu239 oxide.
- Management of operations, engineering, security, MC&A, and support resources to achieve startup.
- Direct interaction with senior corporate management, government personnel (regulators/owners), and DNFSB (congressional oversight) personnel.
- This startup was praised by the government startup team as one of the most well-orchestrated, systematic startups performed up to that time.

Strategic and Project Planning Manager (2/98 to 11/99; 12/96 to 3/97)

- Directly managed a group of senior level technical personnel responsible for generating and maintaining a strategic out-year plan for the stabilization, storage, accounting and security of special nuclear materials.
- This plan included manufacturing and budget estimates and served as the basis for contractual negotiations and performance assessments.
- Planned, directed, managed, and led strategic level technical studies addressing the use of SRS facilities to meet DOE programmatic goals.
- Led and directed multidisciplinary, senior technical staff to perform specific tasks, evaluate strategic alternatives, develop and communicate recommended strategies to corporate senior management, government decision makers, and stakeholders.

Operations Support Manager (7/91 to 12/96)**Manager Operations Support for Nuclear Material Stabilization Program Division**

- Direct management of a thirty person support staff for the 5 nuclear material processing facilities.
- Topical areas of responsibility included MC&A and security, emergency management, OSHA and chemical management services.
- This organization made significant contributions to the successful restart of two major facilities while maintaining program support for the other operating facilities in the division.

Manager Operations / Startup Support for the plutonium metal finishing facility

- Direct management of thirty person support staff for the plutonium metal finishing facility restart.
- Successfully directed improvements in MC&A and security, waste handling (including low level waste certification), emergency management, fire protection, and OSHA services.
- Superior and cost effective implementation of these improved programs was cited during the restart review and provided the foundation for permission to restart.
- Provided administrative management of the operating staff of approximately 300. This included day to day facility management in addition to salary, administrative and disciplinary responsibilities for the entire manufacturing staff.

Reactor Restart Engineering Manager (12/89 to 7/91)**Manager Reactor Restart Safety Basis Field Testing**

- Provided matrixed management of high visibility technical programs in support of reactor restart.
- Acted as the single management contact for these multiple organizational efforts.
- These included system tests on the primary and secondary coolant loops to validate computer codes used for predicting core behavior, design and procurement of seismically qualified safety class ventilation filters, and development of reactor safety documentation.

Manager Reactor Technical Baseline Reconstitution

- Management of a technical staff of approximately 60 engineers and researchers which reconstituted the technical baseline configuration of the 40 year old "K" reactor plant and allowed plant restart following a 4 year shutdown.

Project / Design Engineering Manager (12/88 to 12/89)

- Management of a technical staff of approximately 35 which provided design engineering, project management, and drafting services for a large chemical separation facility with associated support facilities and a gas extraction facility.

E. I. du Pont de Nemours and Company, Aiken, SC**Engineering Manager (11/84 to 12/88)**

- Electrical / Electronic Research and Development
- Management of a technical staff of approximately 15 Design / Development Engineers that provided unique, specially designed and constructed instruments and control systems for government nuclear operations.
- Managed a team that developed the non-destructive technique and associated robotic equipment to inspect the interior of the 30 year old "C" reactor tank for cracks.

Maintenance Manager (12/83 to 11/84)

- Managed 5 crews of approximately 10 technicians each performing electrical, instrument, and control system maintenance for a large nuclear fuel reprocessing facility including finishing facilities for both uranium oxide and plutonium metal and oxide.

Field Engineer / Engineering Manager (3/81 to 12/83)

- Managed a technical staff of approximately 10 engineers who researched and specified renovation work to restart a nuclear reactor after a 15 year shutdown.
- Technical scope included electrical, instrumentation, and civil disciplines.
- Renovation and maintenance work was conducted on large electrical rotating equipment, power distribution equipment, instrumentation, control systems, and building structures in order to return them to service.

Design / development Engineer (12/75 to 3/81)

- Responsible for design, development, fabrication, and installation of specialized instrumentation and controls for unique nuclear defense production applications.
- Provided specialized consulting and field testing (including NDE development and execution) to operations and/or maintenance personnel when especially difficult engineering troubleshooting was needed.