

DOCKETED

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RULEMAKINGS AND
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APP000015
Submitted Sept. 29, 2011

SUE M. KING
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803-819-2020

EDUCATION

Bachelor of Science in Chemical Engineering, Virginia Polytechnic Institute and State University (Virginia Tech) (June 1982)

EXPERIENCE

Shaw E&I, SRS, Aiken, South Carolina

Vice President of Operations, MOX Fuel Fabrication Facility (December 2009 to present)

- Responsible for preparations for the future operations of MFFF
- Responsible for security and Material Control & Accountability
- Responsible for interface with Utilities, Fuel Designers, and feed material suppliers

Vice President of Projects, MOX Fuel Fabrication Facility (August 2006 to December 2009)

- Oversee all aspects of MFFF project execution
- Responsible for interface with DOE, Utilities, Fuel Designer, and feed material suppliers

Washington (Westinghouse) Savannah River Company, SRS, Aiken, South Carolina

Technical Advisor, MOX Federal Project Director (May 2005 to August 2006)

- Advise the Acting MOX Federal Project Director and the NA-26 Assistant Deputy Administrator in all areas of the MFFF project.
- Developed strategy and led implementation to gain approval to start construction.

Design Authority Manager and Chief Engineer, Nuclear Non-Proliferation Program (August 2002 to May 2005)

- Manager of a group of 12 responsible for establishing project requirements and accepting design products for the PDCF and WSB.
- Planned and led numerous design reviews
- Developed and implemented Level 2 change control board procedures

Program Manager, Pit Disassembly and Conversion Facility (February 2000 to August 2002)

- Manager of a group of four engineers responsible for program and project interface for the new plutonium disposition facility to convert weapons parts to feed for commercial reactors.

Acting Manager, Packaging and Transportation Group (February 1999 to February 2000)

- Manager of group of nine engineers responsible for developing the safety basis documentation for radioactive material packages used for onsite and offsite transfers.
- Led 9975 SARP revision effort to support plutonium deinventory of Rocky Flats.

Fellow Technical Advisor, APT (December 1997 to February 1999)

- Served as Project Director's Safety Advisor, providing safety oversight of LANL, Burns & Roe, and WSRC APT team.

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- Assigned as Burns & Roe Level 2 Manager responsible for establishing approach to requirements management, integrated safety management implementation, APT PSAR development, and Defense Nuclear Facility Safety Board (DNFSB) liaison.
- Served as an advisor on the ORR for the LANL Low Energy Demonstration Accelerator.
- Co-author of ANS paper on Integrated Safety Management approach to project management.

Department of Energy, Pantex, Amarillo, Texas

Senior Scientific/Technical Advisor (October 1994 to December 1997)

- Technical advisor to the DOE Manager of Pantex. Assisted in all aspects of management of DOE staff of 90 and oversight of contractor organization of 3300.
- Established and communicated DOE position on technical issues to external organizations. Highly effective in convincing the DNFSB to accept DOE's positions.
- Special Achievement award for implementation of Integrated Safety Management principles.
- Pantex 'expert' on nuclear facility startup process and operational readiness reviews.

Department of Energy, Savannah River, Aiken, South Carolina

Deputy Assistant Manager for Nuclear Materials Processing (March 1993 to October 1994)

- Senior manager of 50 engineers. Responsible for management and oversight of the nuclear processing facilities at the Savannah River Site. Focus was on improving the discipline and technical rigor of operations and completing readiness reviews to resume operations.

Director of the Separations Division (March 1992 to March 1993)

- Manager of 20 engineers. Responsible for management and oversight of the nuclear chemical separation facilities.
- Managed a budget of \$340 million per year in a time when requirements were increasing and resources were decreasing.
- Led DOE effort for various improvement initiatives such as training, conduct of operations, and conduct of maintenance.
- Special Act award for leading the restart effort for HB-Line after receipt of DNFSB recommendation 92-3.

Chief of the Separations Technical Support Branch (June 1990 to March 1992)

- Supervised four engineers responsible for the environment, safety, and quality assurance aspects of the nuclear chemical separation facilities.
- Special Act award for significant improvements in safety documentation and analysis.
- Selected by employees to represent management on the Performance Evaluation Appeals Committee to arbitrate conflicts between supervisors and employees.

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Chemical Engineer, Weapons Branch & Waste Management Branch (August 1986 to June 1990)

- Responsible for safety oversight, safety documentation review, program and project management for tritium and HLW tanks including interface with DWPF.
- Modeled tritium supply and demand based on various reactor restart scenarios.
- Developed initial approach to RTF (233-H) startup.
- Technical paper published and presented at Spectrum '88, a Waste Management Conference.

Charleston Naval Shipyard, Charleston, South Carolina

Nuclear Engineer, Reactor Engineering Division (June 1982 to August 1986)

- Qualified Shift Refueling Engineer. Provided on-site engineering coverage during refueling of nuclear submarines. Overall in charge of shift operations (crew of 10) to ensure the safety and technical adequacy of production work.
- Led group of four engineers that provided engineering services for the inspection and repair of reactor components to be reused on submarines undergoing refueling overhaul.
- Hands-on nuclear operations experience in radiological controlled area.
- Special Achievement award for development of procedure to weld primary pressure boundary.