

**Mr. David G. Erickson** is Manager of the Criticality Safety Program (CSP) for Savannah River Nuclear Solutions (SRNS). In this capacity Mr. Erickson manages the staff supporting the CSP as well as providing technical expertise to the facilities managed by SRNS. He is qualified as a Sr. Criticality Safety Engineer (CSE) at SRNS. Mr. Erickson received a BS in Physics from Whitworth College (1983).

Mr. Erickson started his career at the N-Reactor at the Hanford Site in 1983 in the area of Reactor Physics. He supported the Fuel Segregation Program where spent N-Reactor fuel was measured to collect and process the fuel that supported the DOE weapons program. In this capacity he was also involved in projects designed to measure the reactor flux and extend the life of the N-Reactor by designing special fuel loadings to tailor the reactivity to overcome reactor issues. He supported the development and utilization of the N-Reactor specific version of the 3DB code called DELPHI. He assisted in code development efforts including porting of the code to the CRAY computer platform.

During this time Mr. Erickson also learned to use the KENO and MCNP codes, and early 1987, subsequent to the shutdown of the N-Reactor, transitioned to performing criticality safety analysis. Mr. Erickson performed analysis to support: storage and/or disposal of N-Reactor low enriched uranium fuel, fuel scrap and sludge at the Hanford K Basins; plutonium operations at the Hanford Plutonium Finishing Plant; storage and retrieval of waste at the Hanford Burial Grounds; and performed analysis in support of the Fast Flux Test Facility (FFTF).

During his time at Hanford, Mr. Erickson also supported operations at other DOE sites. He performed analysis that supported high enriched uranium operations at the Y-12 Site in the late 1980's, reactor physics analysis that supported the K-Reactor restart at the Savannah River Site in the early 1990's, on several different occasions he performed analysis to support plutonium operations at the Rocky Flats site, and performed analysis that supported transition of operations from the DOE to the NRC at the Portsmouth Gaseous Diffusion Plant.

In 2008 Mr. Erickson was requested to assist in contract transition for Fluor/SRNS at SRS, and during this time was requested to become the Manager of the SRNS CSP.

Mr. Erickson is a member of the Nuclear Criticality Safety Division (NCSD) of the American Nuclear Society (ANS), is a member of the ANS-8 subcommittee and the working group chair for ANS-8.21, and a member of the DOE Criticality Safety Support Group (CSSG).