

**Mr. David G. Erickson**, after a 40-year career in the nuclear field, retired from Savannah River Nuclear Solutions (SRNS) in early 2023. He is now a part time consultant primarily supporting SRNS in the Criticality Safety arena. Mr. Erickson received a BS in Physics from Whitworth College (1983). After graduation he joined United Nuclear Corporation working at the N-Reactor at the Hanford Site, 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.

During this time Mr. Erickson also learned to use the KENO and MCNP codes, and in early 1987, after 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 new SRNS Criticality Safety Program. He has supported all facilities at SRS in various criticality safety capacities since.

Mr. Erickson is an active 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 is a member of the DOE Criticality Safety Support Group (CSSG).