

Mr. Davis Reed is a retired nuclear criticality safety (NCS) practitioner with these past work positions:

- NCS staff member for the Oak Ridge Y-12 Plant (1981 - 1995),
- NCS staff member for the Oak Ridge National Laboratory (1995 - 1999),
- NCS Program Lead for the Oak Ridge National Laboratory (1999 - 2008), and
- Senior R&D Staff member for the Oak Ridge National Laboratory (2008 - 2012).

While in these work positions, Reed gained operational experience supporting low- and high-enrichment uranium operations, U-233 operations, Pu operations, transplutonium element processing, reactor operations support (fuel handling and storage), on-site/off-site fissile material transport. Reed also gained experience in critical experiments design, analysis, and conduct, in computational methods development and support, in power reactor fuel cycle design and analysis, and in criticality alarm system design and analysis.

Reed became a member of the ANS-8 Subcommittee for NCS standards in 1987 and served as chair of the ANS-8.3 Work Group for Criticality Alarms from 1989 - 2008. Reed was chair of the ANS-8 Subcommittee from 2009 - 2012 and remains a current member of the ANS-8 Subcommittee.

Reed functioned as an NCS instructor for the University of Tennessee from 1994 - 2011, assisting in graduate-level and continuing-education courses.

Reed served as a member of the Bechtel-Jacobs Nuclear Criticality Safety Committee from 2001 - 2006, and as a member of the Y-12 National Security Site Nuclear Criticality Safety Committee from 2005 - 2011. Reed was a member of the DOE Criticality Safety Support Group (CSSG) from 2005 - 2012, supporting several CSSG site, program, and technical issue reviews.

Reed has a B.S. degree in nuclear engineering from Mississippi State University (1979) and performed graduate studies in nuclear engineering at the University of Tennessee (1980s).