

Don Mueller has been a member of Criticality and Shielding Methods and Applications since July 2004. He is providing support for programs related to taking credit for burnup in the transportation of spent nuclear fuel.

Don is currently serving on the Program Committee for the Nuclear Criticality Safety Division of the American Nuclear Society.

Don was a staff member of the ORNL Nuclear Criticality Safety (NCS) group from 1992 to 2004. His responsibilities included preparation and review of NCS process evaluations, performance and review of NCS calculations and radiation transport calculations, preparation and review of operating procedures, review of process and equipment designs, general operational support, preparation and presentation of NCS training, performance of NCS operational reviews, installation and maintenance of UNIX Workstations, and installation, verification, and maintenance of NCS calculation software on UNIX Workstations and personal computers. Don is proficient in the use of the SCALE computer code package and the MCNP code.

Don worked for Westinghouse Electric Corporation in Pittsburgh, PA, from 1984 to 1992. His responsibilities included PWR reload design and safety analyses, the NCS of handling, shipping and storage of PWR and BWR fresh and spent fuel, and the design, implementation, testing, and trouble shooting of reactor, reactor instrumentation, control rod drive logic cabinets and position indication, radioactive material transport, and radiation detection models in PWR Nuclear Power Plant Training Simulators. Don is a co-author on three patents related to the storage of PWR fuel.

Don received B.S. and M.S. in Nuclear Engineering from the University of Illinois in 1983 and 1984.

Don served in the United States Marine Corps from 1975 to 1979, attaining the rank of Sergeant (E-5), separating with an Honorable Discharge.