



American Nuclear Society Nevada Section

Technical Member Meeting

Thursday, January 29, 2015 at 5:30 P.M.

Desert Research Institute

755 E. Flamingo Blvd., Conference Room 181
(two-story building east of the NATM)

Speaker: Siegfried L. Stockinger, P.E.

Used Nuclear Fuel Disposition (UFD) Campaign of the DOE Office of Nuclear Energy's Storage and Transportation Program



The mission of the UFD Campaign is to identify alternatives and conduct scientific research and technology development to enable storage, transportation and disposal of used nuclear fuel and wastes generated by existing and future nuclear fuel cycles. Sig will present an overview of the Campaign to meet the challenge and to provide a sound basis for implementation of a new national policy for managing the back end of the nuclear fuel cycle, including the identification and evaluation of safe and secure options for the storage, transportation, and permanent disposal of radioactive wastes resulting from existing and future fuel cycles.

Short Bio: Over 40 years of professional engineering experience in nuclear engineering related fields, including naval nuclear reactor plant systems design, testing and refueling, nuclear performance assessment, startup of waste processing facilities, regulatory compliance and licensing. Four High-Level Waste (HLW) Vitrification Plant designs and design of the Yucca Mountain Repository. Presently developing methods to store, transport, and dispose of used nuclear fuel. Transformed nuclear related technology into operating designs, experience in planning, design, research, development, licensing, construction and debottlenecking of processes, packaging, and transportation systems.

Designed primary and secondary systems for boiling water and pressurized water reactors, heavy water, high temperature gas cooled, and DOE production nuclear reactors. Systems included the water chemistry, unit operations, incineration, waste solidification and stabilization and disposal of all radioactive gaseous, liquid, and solid effluent from numerous nuclear power plants.

- MSCE (Environmental Engineering) Loyola University, BSME Stevens Institute of Technology.
- Member of the American Nuclear Society and the American Society of Mechanical Engineers.
- Registered Professional Engineer.