

Biography

G. Freeze

Geoff Freeze is a Principal Member of the Technical Staff at Sandia National Laboratories in Albuquerque, New Mexico. Mr. Freeze has over 25 years of professional experience in radioactive waste disposal, probabilistic risk and safety analyses, groundwater modeling, and site characterization. He has supported radioactive waste disposal programs for the national governments of the US (Yucca Mountain Project (YMP) and WIPP), Japan, Germany, and Switzerland, including 4 years as the YMP Lead for FEPs.

His radioactive waste performance assessment modeling experience ranges from the development and application of complex, highly coupled, site-specific, probabilistic system models in a legal/regulatory environment to simplified, generic, deterministic system models supporting FEP screening and scoping studies. His flow and transport modeling experience includes single- and multi-phase, saturated and unsaturated, dual-porosity and discrete fracture implementations, as well as evaluations of alternative remediation techniques.

Mr. Freeze has authored over 40 journal articles and project reports, taught short courses in computer solutions to groundwater problems, and written chapters on "Decision Making" and "Solute Transport Modeling" for the McGraw-Hill Environmental Handbook. He holds an M.S. degree in Agricultural Engineering from Texas A&M University and a B.A.Sc. degree in Civil Engineering from the University of British Columbia.

Mr. Freeze presented at the third US/German Workshop on the topic of Safety Case for Salt Disposal of HLW/SNF.