

James S. Dukelow, Jr.

Education:

A.B. in Mathematics -- University of Kansas (1961)

M.A. in Mathematics – University of Kansas (1976)

M.S. in Nuclear Engineering – University of Missouri – Columbia (1978)

Primary Areas of Expertise:

Risk Analysis, Safety Analysis, Operational Safety Review, Safety Document Preparation and Review, Software Development, Mathematical Modelling, Preparation and Presentation of Training Courses. Project Quality Assurance (including NQA-1)

Summary Capabilities:

Risk Analysis in a variety of contexts, including nuclear facility risk, infrastructure risk, and nuclear proliferation risk

Mathematical modeling of nuclear plant systems.

Software development for operator training simulators, statistical analysis, reliability engineering, and nuclear weapons proliferation risk.

Review, surveillance, and audits in an NQA-1 quality assurance program.

Three decades teaching college-level mathematics and statistics.