

Dr. Erasmia Lois – U.S. Nuclear Regulatory Commission

Dr. Erasmia Lois is a Senior Risk and Reliability Analyst with the NRC's Office of Nuclear Regulatory Research. She has more than 20 years of experience in the nuclear safety field. She was responsible for PRA research and applications at the NRC including review of individual plant examinations, addressing PRA needs for low-power and shutdown operations, and development of the SAPHIRE computer code. For the past 5 years, she has been leading the NRC's Human Reliability Analysis Research Program which includes the development of HRA Good Practices, the evaluation of HRA methods against the Good Practices, the development of a Human Event Repository and Analysis System, and the development of acceptance criteria for post-fire operator manual actions. Her current activities focus on benchmarking HRA methods through an international collaborative project.