



RIC 2009 PRA Challenges – From Methodology to Decision-Making

Ken Canavan, Electric Power Research Institute
Don Dube, Office of New Reactors, NRC
Ken Kiper, FPL Energy at Seabrook Station
John Monninger, Office of Nuclear Regulatory Research, NRC
Joon-Eon Yang, Korea Atomic Energy Research Institute

March 10, 2009

1



General Session Information

- **Badges and Identification** – Please remember to visibly display name badges throughout the duration of the RIC.
- **Cell Phones and Pagers** – At this time, please turn off or silence cell phones and pagers.
- **Presentation Materials** – All provided electronic presentation materials will be posted on the U.S. NRC RIC website at www.nrc.gov, keyword: RIC.
- **Evaluations** – Please provide us with your valuable input via the Session Evaluation Form or e-mail comments directly to RICHelpDesk@nrc.gov.

2



Session Abstract

- Probabilistic risk assessments (PRAs) are used to assess the safety of nuclear power plants and to address many challenging technical issues. Although PRA technology has significantly matured and is now routinely used to support decision-making, the NRC and the nuclear industry are pursuing continued development and advances in PRA methodology and tools. This session will discuss the **status of PRA methodology and tools development and solicit feedback on methods and tools that should be developed.**

3



Agenda

- 4:05 "Socialization of Risk Technology," Ken Canavan
- 4:20 "Risk Metrics for New Reactors," Don Dube
- 4:35 "PRA Standards from a Utility Perspective - Promise, Progress & Peril," Ken Kiper
- 4:50 "Current Research Issues in PSA: Korean Status," Joon-Eon Yang
- 5:05 "PRA Research to Enhance Decision-Making," John Monninger
- 5:20 General Questions & Answers

4
