Workshop on Probabilistic Flood Hazard Assessment

Panel 1: Federal Agencies' Interests and Needs in PFHA

Co-Chairs:
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Panel 1 Presentations

- NRC Staff Needs in PFHA ....Fernando Ferrante, NRC

- Probabilistic Hazard Assessment Approaches: Transferable Methods from Seismic hazard……………….Annie Kammerer, NRC

- Reclamation Dam Safety PFHA Perspective…J.ohn England, BOR

- FERC Need for PFHA…………………………..David Lord, FERC

- American Nuclear Society Standards Activities to Incorporate Probabilistic Approaches……John Stevenson & Ray Schneider, <u>W</u>

Panel 1 Panelists and Rapporteurs

- ## Panelists:

  - Charles Ader, NRC

  - Fernando Ferrante, NRC

  - Annie Kammerer, NRC

  - John England, BoR

  - David Lord, FERC

  - Patrick Regan, FERC

  - John Stevenson, ANS-2.31

  - Ray Schneider, Westinghouse

- ## Rapporteurs

  - Christopher Cook, NRC

  - Marie Pohida, NRC

Panel 1 Questions for Discussion

- What are the roles of deterministic and probabilistic hazard analysis in determining a design basis and conducting a risk assessment? How should they complement each other?

- What is the status of PFHA? For which flood causing mechanisms PFHAs can be conducted? What improvements are needed for their use in a risk assessment?

- Given the inherent large uncertainties, how should these be dealt with?

- What are the impediments, if any, for other flood causing mechanisms to develop PFHA approaches? How they can be overcome?

- What are your perceptions about the utility and usefulness of a PFHA for your agency missions?

- Is formal expert interaction approach like SSHAC a viable approach for PFHA? What PFHA specific consideration should be applied?

- Given the use of PFHA in the development of Design Basis Flooding determination, what is, or should be, the role of Beyond Design Basis Flooding in design and, if required how should it be determined?