

# Nuclear Regulatory Commission Briefing on Fire Protection

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# Discussion Topics

- Operator Manual Actions
- Fire Induced Circuit Failures
- NFPA 805 Transition

# Operator Manual Actions

- Licensees working to complete corrective actions by March of 2009
- NFPA 805 transition and resolution of fire induced multiple spurious circuit failure issue impacts resolution of many operator manual action items



# Fire Induced Circuit Failures

- Status
  - Agreement on conceptual approach
  - Implementation details addressed in future meetings
- Use of risk to address associated circuit issues without exemption or LAR must be included



# Fire Induced Circuit Failures

- Industry / NRC meetings will continue
- Industry actions in the interim
  - Developing implementation details
  - Guiding use of risk insights for resolution of issues
  - Preparing draft revision to industry guidance
- Goal – receive NRC endorsement



# Fire Induced Circuit Failures

- Use of risk to address fire induced circuit failures in associated circuits
  - Regulations do not prohibit
  - Use of risk is consistent with the Commission's Policy Statement on use of PRA (60FR42622)
- Failure to allow could result in
  - actions that could raise overall plant risk,
  - need for new exemptions or LAR's and/or
  - costly modifications for low risk and low safety significance items



# NFPA 805 Transition

- Pilot plants (Oconee and Harris) license amendment requests submitted
- Activities necessary to enhance regulatory certainty
  - Refinement of LAR template
  - Resolve PRA issues
  - Minimize requests for additional information



# Fire PRA

- Fire PRA is a challenge
  - Preliminary results are conservative
  - Goal in PRA is to be more realistic
- Industry and NRC Staff addressing items seen as main contributors to conservatism
- Goal is to resolve by late 2008



# NFPA 805 Enforcement Discretion

- Extension to enforcement discretion is important
  - Limited qualified resources
  - Incorporate lessons learned from pilot plants
  - Assure consistent licensing bases
- Near term Commission decision requested



# Acronyms

- **NFPA** National Fire Protection Association
- **LAR** License Amendment Request
- **PRA** Probability Risk Assessment