

NFPA 805: An Industry Perspective

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SNC Vision

- Sustained excellence in Nuclear Safety through performance-based/risk-informed decision making
 - Predictable and Sustainable Transition
 - Holistic Approach

Strategy

- Voluntary risk-informed applications
- State-of-the-art models and tools
- Infrastructure development

Predictable and Sustainable Transition

- NFPA-805 Challenges
 - Unclear Role of Fire PRA Peer Review
 - Duration of NRC LAR Review
 - Objectivity of Post Transition Inspection Process

Holistic Approach

- Fire PRA Model Impacts
 - Disparity between Fire PRA model and operating experience undermines holistic vision
 - Reduces overall effectiveness of risk-informed decision making
 - Delays maturity of Fire PRA methodology due to lack of usage

Path to Success

- NFPA 805
 - Predictability and flexibility
- Fire PRA
 - Realism and clarification of Fire PRA peer review role

Acronyms

- NFPA - National Fire Protection Association
- SNC - Southern Nuclear Operating Company
- LAR - License Amendment Request
- Fire PRA - Fire Probabilistic Risk Assessment