

Progress in Reg Guide and Inspection Procedures for Implementing NFPA 805

John Hannon
US Nuclear Regulatory Commission
Implementation of Risk Informed Fire
Protection Standards
Regulatory Relations
August 9, 2005

NRC Fire Protection Owner (AHJ)



John Hannon, Chief
Plant Systems Branch (SPLB)
Division of Systems Safety and Analysis (DSSA)
Office of Nuclear Reactor Regulation (NRR)
US Nuclear Regulatory Commission

JNH@nrc.gov

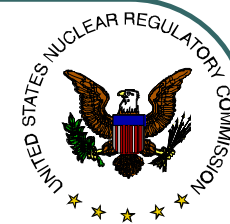
(301)415-1992

Reducing Regulatory Uncertainty



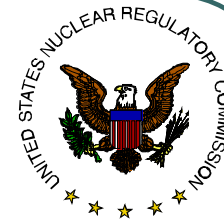
- NFPA 805 Rule Implementation
- Risk-Informed Regulatory Guide
- Risk-Informed Inspection Procedures
- Transition Pilot Program
- Transition Schedule
- NFPA 805: Is it Right for You?

NFPA 805 Rule Implementation



- Risk-Informed Alternative to Appendix R
- Transition Enforcement Discretion
- Transition Pilot Program
- Risk-Informed Regulatory Guide, Fall 2005
- Risk-Informed Inspection Procedures, Dec. 2005
- Reactor Oversight Process Monitors Changes Post-Transition

Risk-Informed Regulatory Guide



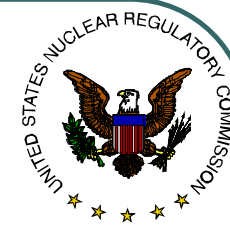
- **Endorses Industry Guidance**
 - NEI Implementation Guide (NEI 04-02)
 - NEI Circuit Analysis (NEI 00-01)
- **Revision Will Endorse EPRI/RES Guidance**
 - Fire PRA Project (EPRI 1011989)
 - Verified & Validated Fire Models
- **Fire PRA Quality Expectations**
 - RG 1.174 Applies
 - ANS Fire PRA Standard

Risk-Informed Inspection Procedures



- Present Deterministic Inspection Procedures
 - Monthly/Quarterly (Resident)
 - Triennial (Region)
- Refocus Triennial Procedure During Transition
- Develop Risk-Informed Inspection Procedures
 - New Monthly, Quarterly and Triennial Procedures
 - Complete in December, 2005
 - Applicable to Post-Transition Triennial (2007-2008)

Transition Pilot Program



- Pilot the Transition and LAR Review Period
- Conduct Quarterly Observation Visits
- Program Goals:
 - Direct Communication between NRC and Licensee
 - Evaluate Enforcement Discretion Policy
 - Develop LAR and SER Templates
 - Improve Regulatory Guide
 - Improve Inspection Procedures

Transition Schedule



- Duke Energy
 - 2005 to 2007: Oconee, Units 1, 2, & 3 **(Pilot)**
 - 2006 to 2008: McGuire, Units 1 & 2
 - 2007 to 2009: Catawba, Units 1 & 2
- Progress Energy
 - 2005 to 2008: Shearon Harris, Unit 1 **(Pilot)**
 - 2006 to 2009: Crystal River, Unit 3
 - 2007 to 2010: H. B. Robinson, Unit 2
 - 2008 to 2011: Brunswick, Units 1 & 2

NFPA 805

Is it Right for You?



- Can Benefit Pre- and Post-79 Licensees
- We would like your feedback:
John Hannon
JNH@nrc.gov