

# **NFPA 805**

## **Lessons Learned**

### **Shearon Harris Nuclear Plant**

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# Fire Protection Defense In Depth

- | Prevent Fires
- | Prompt Detection Of Fires
- | Prompt Control and Suppression Of Fires
- | Separation Of Safety Systems

# Fire PRA Implementation

- | Extensive Walkdowns Identified Potential Fire Sources
- | 4000+ Fire Scenarios Evaluated
- | NRC Team Review
- | Industry Expert Peer Review



# Fire PRA Implementation

- | Fire PRA Is Acceptable For Use
- | Other Inputs are Used for Decision Making
- | Process Improvements Provided To NRC and Industry

# Harris NFPA 805 Fire Protection

- | Implements classical requirements
- | Implements nuclear safety performance criteria
- | Addresses fire safety during non-power operations
- | License amendment request submitted
- | Transition resources were greater than originally estimated



# Generic Issues Addressed

- | Hemyc/MT Fire Wrap Qualification
- | Operator Manual Actions
- | Multiple Spurious Operations

# Harris Physical Plant Changes

- | New Cable Raceway Wrap
- | New Fire Rated Cable
- | Upgrades To Hemyc/Mt Wrap
- | Additional Equipment Separation
- | Additional Incipient Fire Detection In Critical Electrical Panels



# Summary

- I Transition To NFPA 805 Is Improving Fire Protection Program
  - w Resolution Of Generic Fire Protection Issues
  - w Physical Plant Modifications Already Completed
  - w Additional Modifications Being Implemented



# Summary

- | NFPA 805 License Amendment Request Submitted
- | On Track To Complete Implementation By End Of 2010

