

# ***Risk-Informed Reviews*** ***TSTF-425/5b and TSTF-505/4b***

**January 29, 2016**



# **TSTF-425/5b**

## ***Relocation of Surveillance Frequencies***

- **Relocates surveillance frequency requirements from the plant technical specifications to licensee control in accordance with the Surveillance Frequency Control Program**
- **Status of Reviews**
  - **8 applications under review**



## **TSTF-505/4b**

# ***Risk-Informed Completion Times (CTs)***

- Risk-informed process to temporarily extend certain CTs, based on plant configuration and real-time risk calculation
- Allows the use of “PRA functionality”
- Adds new TS conditions to address multiple trains inoperable



# ***NRC Position on PRA Functionality***

**Would not allow:**

- **Using other SSCs to compensate for loss of TS function provided by a given system**
- **Being unable to mitigate an event that current TS are able to mitigate (e.g., LOOP/LOCA, seismic)**

**With all trains of a system inoperable but one train PRA functional:**

- **Safety margins must be maintained**
- **Defense in Depth must be maintained**



## ***Challenges with 4b***

**PRA Functionality when all trains of a system are inoperable:**

- **Most resource intensive part of the review**
- **Only applicable in very rare situations**
- **Small fraction of the benefit this program provides**
- **Many different interpretations**



## ***Strategy for Moving Forward with 4b***

- **Various NRC internal changes**
  - Established a Lead PM
  - Established an expectation to use the same primary technical reviewers to ensure consistency
- **NRC clarifying guidance on the use of “PRA Functionality” when all trains are inoperable**



## ***Moving Forward with Risk-Informed Reviews***

- **Open and consistent communication with stakeholders**
- **Periodic NRC/NEI management meetings**
  - **Established in 2012 to discuss issues requiring management attention related NFPA 805**
  - **Meeting invitees expanded to include an industry champion, and multiple NRC offices**
  - **Successfully addressed various topics including NFPA 805 review consistency, process efficiencies, PRA methods and fire research**
  - **As topics were worked through- Expanded to issues related to other ongoing risk-informed reviews**