



**RIC 2011
Inspection Insights Related to
TI-177 Implementation**

Ann Marie Stone
U.S.NRC Region III
March 2011

1



Temporary Instruction 2515/177

- Purpose of TI-177
- RIII Inspection Strategy
- Inspection Insights and Issues

2



Purpose of IP 71003

- Verify that the licensee has implemented or is in the process of acceptably implementing the commitments, modifications, and programmatically controlled actions described in the licensee's response to GL 2008-01
 - Licensing Basis Documents
 - Design and Operating Characteristics
 - Procedures for Surveillances and Testing
 - Procedures for Void Determination and Void Elimination methods.
 - Corrective Actions

3



RIII Inspection Strategy

- ▶ DRS(lead)
 - ▶ Added to Ultimate Heat Sink Inspection
 - ▶ Added to Component Design Bases Inspection
 - ▶ Independent 2-person team

- ▶ DRP(support)
 - ▶ Concurrent with ROP baseline: 71152, 71111.04, 71111.15, 71111.18, and 71111.22.

4



Inspection Insights and Issues

- Use of GOTHIC to address gas transportation
- Influence of operating mode - RHR flashing due to shutdown-LOCA
- Quality of procedures to quantify void sizes when venting
- Evaluation of vortex in tanks



Inspection Insights and Issues

- Coordination: Early communication
- Licensee contact(s) - Subject matter expert
- Resource intensive



Questions?
