

# **NRC Inspection Guidance for the Initial Test Program (ITP) \*\*AP1000\*\***

NRC Public Meeting  
February 27, 2014

Quality Vendor Inspection Branch  
(QVIB)

# ITP Working Group

- Working Group Charter
  - Members from Region 2, DCIP and NRR
  - Prepare inspection guidance for all phases of ITP (Pre-op., fuel load, startup, low power, power ascension)
- Action Items & Due Dates

# Completed ITP Inspection Procedures

- NRC IP 70367, Part 52 Inspection of the Preoperational Test Program (Issued and Available to the Public)
- NRC IP 70702, Inspection of Preoperational Test Performance (Issued and Available to the Public)
- NRC Inspection Planning Tool for the AP1000 Combined License Preoperational Test Program (Not Available to the Public)

# ITP IPs Under Development

- NRC IP 72401, Inspection of the Startup Test Program (Completing Region II Comment Resolution)
- NRC IP 72403, Startup Testing for the AP1000: Test Procedure Review, Test Witnessing, and Test Results Evaluation (Waiting for NRR and Region II Comments)
- NRC Region 2 to develop startup/power ascension inspection plan

# Recent Stakeholder Interactions

- June 19, 2013: ITP Meeting with AP1000 licensees and vendor at Vogtle site
- June 2013: MDEP trip to China on EPR commissioning
- July 29 – August 1, 2013: Bilateral meeting with NNSA at Sanmen site - commissioning
- November 20, 2013: ITP public meeting with AP1000 licensees and vendor at Vogtle site

# International Efforts - Commissioning

- NNSA sending person for 3 months starting June 2014 to assist reviewing ITP inspection guidance
- Bilateral Meeting China & US tentatively scheduled for mid 2014
- Support MDEP Commissioning Efforts

# Comparison of AP1000 ITAAC Lists For Preoperational Testing

- NRC List has 186 while Licensee list has 278 ITAAC related to Pre-op. testing
- Licensee list includes as-built, and construction related test ITAAC which are prerequisites to Pre-op system testing
- To be discussed further at next meeting with licensees...

# Next Steps

- Continue to participate in digital I&C testing meetings to understand the potential impact on pre-operational testing
- Issue startup/power ascension IP by 6/30/2014
- Continue international commissioning experience and staff exchanges
- Finalize inspector training for ITP



# Conclusions

- Any Questions.....Comments
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