Simulated ITAAC Closure and Verification Demonstration Project

October 7, 2010

Agenda

- Southern Company/WEC (Paulo Albuquerque/Thomas Ray)
  - Summary of Simulated Inspection at Vogtle 3&4 Site
  - Summary of Simulated Inspection at Westinghouse, Cranberry-PA
  - Demonstration Milestones
  - Upcoming Activities

Simulated Inspection
Vogtle 3&4 - Summary

Inspection Date

September 14th and 15th, 2010

Participants

- NRC Region II
- NRC Headquarters
- Southern Nuclear (SNC)
- Westinghouse (WEC)
- Shaw
- SCANA

Simulated Inspection Vogtle 3&4 - Summary

Meeting Scope

- Simulated Entrance was performed by NRC Region II Senior Inspector, Scott Freeman, at 0800 on September 14th, 2010.

- NRC staff performed the review of simulated ITAAC Closure Packages for ITAACs:
  - 2.1 02.07a.i – The Reactor Coolant System Harsh Environment Type Test
  - 2.2 01.04a.ii – Containment System Impact Testing
  - 2.2 02.01 – Passive Containment Cooling Functional Arrangement
  - 2.2 03.08c.i – Injection Line Flow Resistance Testing and Analysis
  - 2.6 03.08 – DC System Fault Current Analysis
  - 3.7 00.01 – Design Reliability Assurance Program (*was not available for review*)

Simulated Inspection Vogtle 3&4 - Summary

Lessons Learned

- During the review of ITAAC completion plan NRC identified weakness on the ITAAC Closure Letter under the determination basis section regarding endorsed guidance provided in NEI 08-01.

Simulated Inspection Westinghouse - Summary

Inspection Date

September 22nd and 23rd

Participants

- NRC Region II
- NRC Headquarters
- DOE
- Southern Nuclear (SNC)
- Westinghouse (WEC)
- SCANA

Simulated Inspection Westinghouse - Summary

Meeting Scope

- Simulated Entrance was performed by NRC Region II Senior Inspector, Scott Freeman, at 0800 on September 14th, 2010.
- NRC staff continued the review of simulated ITAAC Closure Packages for ITAACs:
  - 2.1 02.07a.i – The Reactor Coolant System Harsh Environment Type Test
  - 2.2 01.04a.ii – Containment System Impact Testing
  - 2.2 02.01 – Passive Containment Cooling Functional Arrangement
  - 2.2 03.08c.i – Injection Line Flow Resistance Testing and Analysis
  - 2.6 03.08 – DC System Fault Current Analysis
  - 3.7 00.01 – Design Reliability Assurance Program

Simulated Inspection Westinghouse - Summary

Simulated Inspection Findings

- ITAAC 2.6.03.08 - DC System Fault Current Analysis: potential violation based on inadequate accounting of the fault current. This may result in a simulated construction finding.

- ITAAC 2.1.02.07a.i -The Reactor Coolant System Harsh Environment Type Test: potential violation based on incorrect temperature parameters. This may result in a simulated ITAAC related construction finding.

Simulated Inspection Westinghouse - Summary

Action Items:

- SNC and WEC have entered the simulated potential violations to their corrective action program to simulate the necessary corrective actions.

- All ITAAC related simulated construction findings will be mentioned in the ITAAC Closure Letter along with its corrective actions.

Simulated Inspection Westinghouse - Summary

Presentation of Computer software to manage ITAAC database

- WEC performed a presentation to the NRC to demonstrate how NRC will be able to interact with the licensee to obtain the information contained in the Closure Packages.
- Licensee will have access to the WEC ITAAC database software to ensure ITAAC Closure package is being populated properly.
- Web base access to database computer software is planned to be granted to Region II and Site Resident. This access will allow inspectors to determine the proper documents for review under the ITAAC Closure Package.
- Once NRC Region II determines that Headquarters expertise is needed for the review of specific documentation, Region II will require that the files would be made available at WEC Rockville office. Necessary personnel identified for the review of those documents will be granted access through the WEC Rockville office.

Simulated Inspection Westinghouse - Summary

Lessons Learned

- Closure letter information provided for the DRAP ITAAC was not correct, and the new closure latter will be provided.
- Southern was able to exercise the ITAAC inspection process with the NRC Region II and the utilization of the technical expertise from NRC Headquarters.
- ITAAC Closure letters need to be developed in accordance with NEI 08-01 guidance.
- ITAAC Plans are a good tool for preliminary understanding on how a ITAAC will be performed.

Demonstration Milestones

• NRC Region II Site Inspection	September 14th – 15th, 2010
• Simulated Inspection of Closure Packages – (Cranberry, PA)	September 22nd -23rd, 2010
• Public Meeting – Update on project progress	October 7th, 2010
• NRC to submit Inspection Report	October 22nd, 2010
• Submit ITAAC Closure Letter to NRC	October 29th, 2010
• Public Meeting – Update on project progress	December 9th, 2010

Demonstration Milestones

• NRC to Publish Federal Register Notice	December 16th, 2010
• Public Meeting – Workshop to summarize exercise	January 13th, 2010
• Public Meeting – Lessons Learned	March 31st , 2010

Upcoming Activities

- NRC will publish Simulated Inspection Report with Simulated Construction Related Findings on October 22nd, 2010
- SNC will Submit Simulated ITAAC Closure Letter to NRC on October 29th, 2010
- NRC will publish Simulated Federal Register Notice on December 16th, 2010

Questions/Comments