ITAAC Demonstration Project

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ITAAC Demonstration - *Why DOE*

- **Key Objective of Nuclear Power 2010**
  - Demonstrate untested regulatory processes
    - » ESP
    - » COL
    - » Now ITAAC
- **DOE sponsored project with industry partners**
  - Southern Nuclear
  - Westinghouse
- **National Research Council recommendation**

ITAAC Demonstration - P*roject Objectives*

- **Exercise the industry and NRC ITAAC process**
  - Using current guidance and procedures
  - Different ITAAC types and complexity
- **Develop acceptable ITAAC Closure packages**
  - Appropriate level of supporting documentation detail for NRC review
- **Develop lessons learned for potential process improvements**
  - Provide value and benefit for the effort

Other Points of Interest

- ITAAC closure/status information in CIPIMS and VOICES
- Mechanism for NRC questions on Closure Letters and Closure Packages
- Understanding of interface between Headquarters and Region II for review and approval if ITAACs

ITAAC Scope/Method

- **5 ITAAC selected**
  - Chosen by Southern Company and Westinghouse
  - Vary in complexity and potential issues
- **Project kickoff – CIP May 13, 2010**
- **ITAAC Closure package development – May-September**
- **First NRC Meeting - Review of detailed ITAAC Closure Package– Oct/Nov 2010**
  - ITAACs reviewed to discuss all aspects of information that would be included in a closure package
  - Review how the inspection information is tracked by Region II and coordinated with NRC Headquarters
  - Review how the closure process will work
- **Second Meeting – Project verification and lessons learned (CIP public meeting Jan/Feb 2011)**

Selected ITAAC

- AP1000 ITAAC 2.2 01.04a.ii – Impact Testing on containment IAW ASME Section III
- AP1000 Standard ITAAC 2.2 02.01 – CNS System Walk-down
- AP1000 ITAAC 2.1 02.07a.i – RCS Harsh Environment Type Test
- AP1000 ITAAC 2.2 03.08c.i – Injection Line Flow Resistance Testing and Analysis
- AP1000 ITAAC 2.6 03.08 – Analysis for the As-built IDS DC Electrical

Bow-Wave of ITAAC Closure Letters

- Type/Timing of ITAAC during bow-wave
- Significant resource demand from multiple site construction