

ITAAC Demonstration Project

Tom Miller
Office of Nuclear Energy

ITAAC Demonstration - *Why DOE*

h) Key Objective of Nuclear Power 2010

- Demonstrate untested regulatory processes
 - » ESP
 - » COL
 - » Now ITAAC

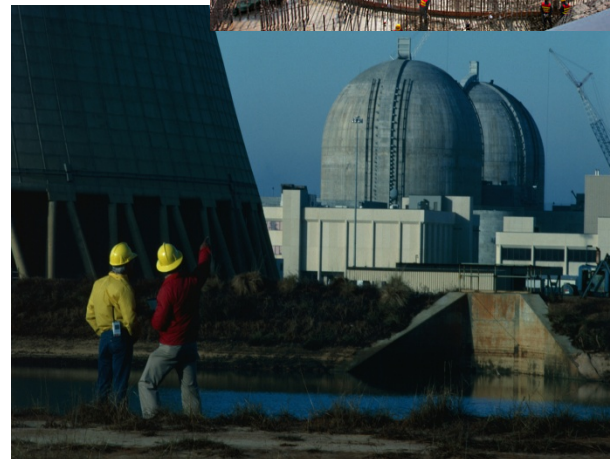


h) DOE sponsored project with industry partners

- Southern Nuclear
- Westinghouse



h) National Research Council recommendation



ITAAC Demonstration - *Project Objectives*

- h Exercise the industry and NRC ITAAC process
 - Using current guidance and procedures
 - Different ITAAC types and complexity

- h Develop acceptable ITAAC Closure packages
 - Appropriate level of supporting documentation detail for NRC review

- h Develop lessons learned for potential process improvements
 - Provide value and benefit for the effort

Other Points of Interest

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

ITAAC Scope/Method

h 5 ITAAC selected

- Chosen by Southern Company and Westinghouse
- Vary in complexity and potential issues

h Project kickoff – CIP May 13, 2010

h ITAAC Closure package development – May-September

h 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

h Second Meeting – Project verification and lessons learned (CIP public meeting Jan/Feb 2011)

Selected ITAAC

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

Bow-Wave of ITAAC Closure Letters

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

