



***BRIEFING ON  
INSPECTIONS, TESTS, ANALYSES,  
AND ACCEPTANCE CRITERIA  
(ITAAC) - RELATED ACTIVITIES***

***Bill Borchardt  
Executive Director for Operations  
August 30, 2011***

# ***Agenda***

- ***Introduction – Michael Johnson***
- ***Overview – Laura Dudes***
- ***NRC's Construction Inspection Program – James Beardsley***
- ***Execution of the CIP – Alan Blamey***
- ***ITAAC Closure – Mark Kowal***

# ***Construction Inspection Program Update***

***Laura A. Dudes, Director  
Division of Construction Inspection  
and Operational Programs***

# ***Program Accomplishments***

- ***Transition to execution***
- ***Program structure and procedures***
- ***Assessment process***
- ***Vendor inspection program***

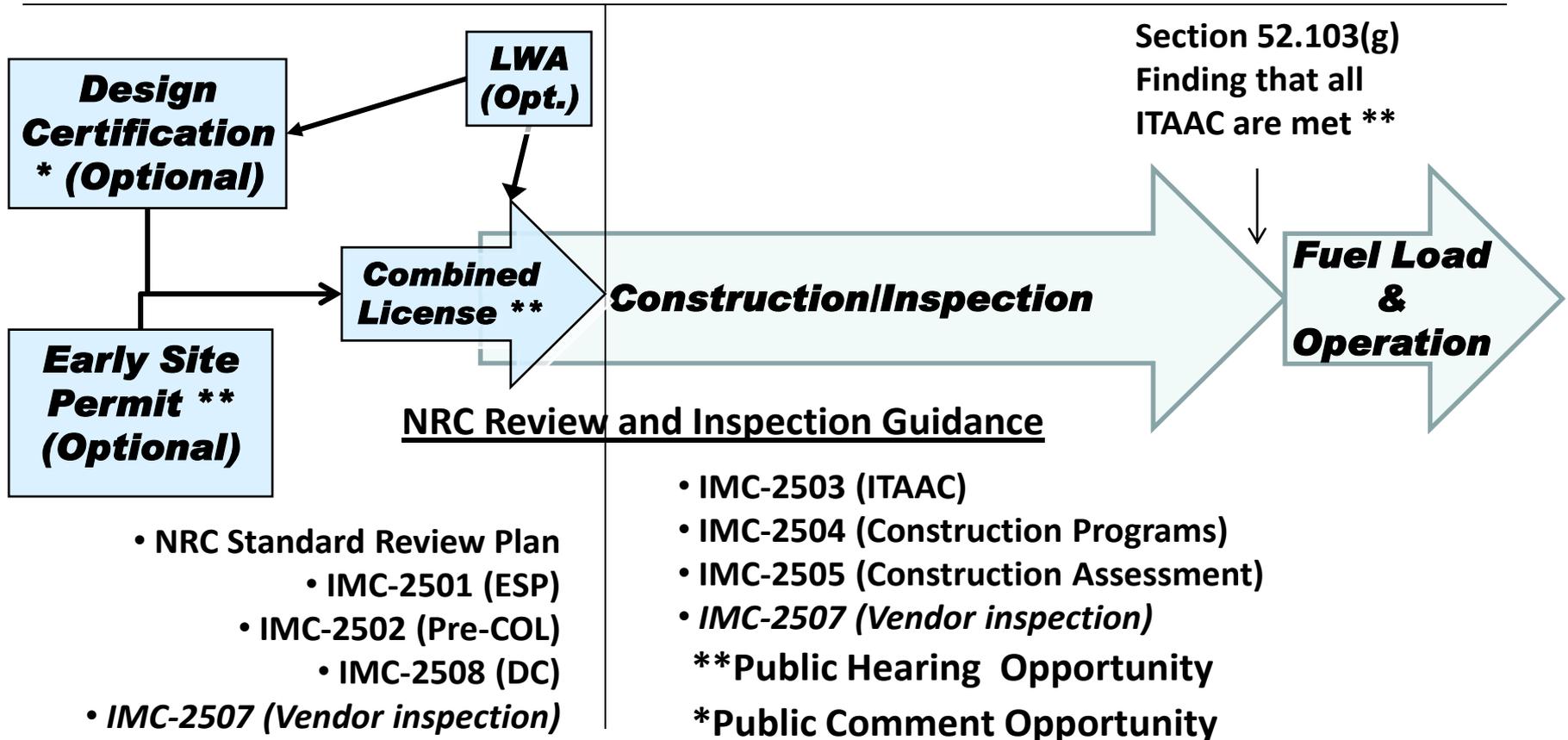
# ***Areas of Focus***

- ***ITAAC closure verification***
- ***Construction business processes***
- ***Vendor program improvements***
- ***Advanced reactor inspection program***
- ***Safety culture***

***New Nuclear Plant  
Construction Inspection  
Program (CIP)***

***Jim Beardsley  
Chief, Construction Inspection  
Program Branch  
Office of New Reactors***

# Part 52 Licensing and Inspection



# ***CIP Infrastructure***

- ***Technical Assistance Requests***
  - ***Between the inspectors and HQ***
- ***Construction Inspection Program Information Management System (CIPIMS)***
  - ***Planning, scheduling and reporting***
- ***Verification of ITAAC Closure, Evaluation and Status (VOICES)***

# ***CIP Accomplishments***

- ***Inspection procedures are approved and ready for use***
- ***A construction inspection support contract is in place to provide specialization and capacity***
- ***Processes and procedures are on track to support ITAAC Closure***

***Planning, Scheduling, and  
Execution of the Construction  
Inspection Program***

***Alan Blamey***

***Region II***

***Center for Construction Inspection***

# ***Construction Inspection Infrastructure***

- ***CIPIMS***
- ***Primavera***
- ***Scalable platforms***

# ***Preparing to Conduct Construction Inspections***

- ***Inspection planning***
- ***Inspection scheduling***
- ***Reconciliation***

# ***CIPIMS Upgrade***

- ***Based on OIP and inspector input***
- ***Maintain inspector focus on field inspection***
- ***Support ITAAC closure and ITAAC inspection program management***

# ***AP-1000 Sanmen Experience***

- ***Verify / validate NRC ITAAC inspection process***
- ***Inspection of off-site module fabrication***
- ***Agile response to schedule changes***

# ***Transition to Program Execution***

- ***Resident inspectors stationed at Vogtle and VC Summer***
- ***Receiving construction schedules***
- ***ITAAC inspections underway***
- ***Continue to gain experience executing the inspection program***

# ***ITAAC Closure***

***Mark Kowal, Chief  
Technical Specifications  
and ITAAC Branch***

# ***ITAAC Quality and Inspectability***

- ***Promote common understanding***
- ***Frequent dialogue with applicants and stakeholders***
- ***RIS 2008-05, Rev. 1 (2010)***
- ***NRO technical reviewer training***

# ***ITAAC Closure Verification***

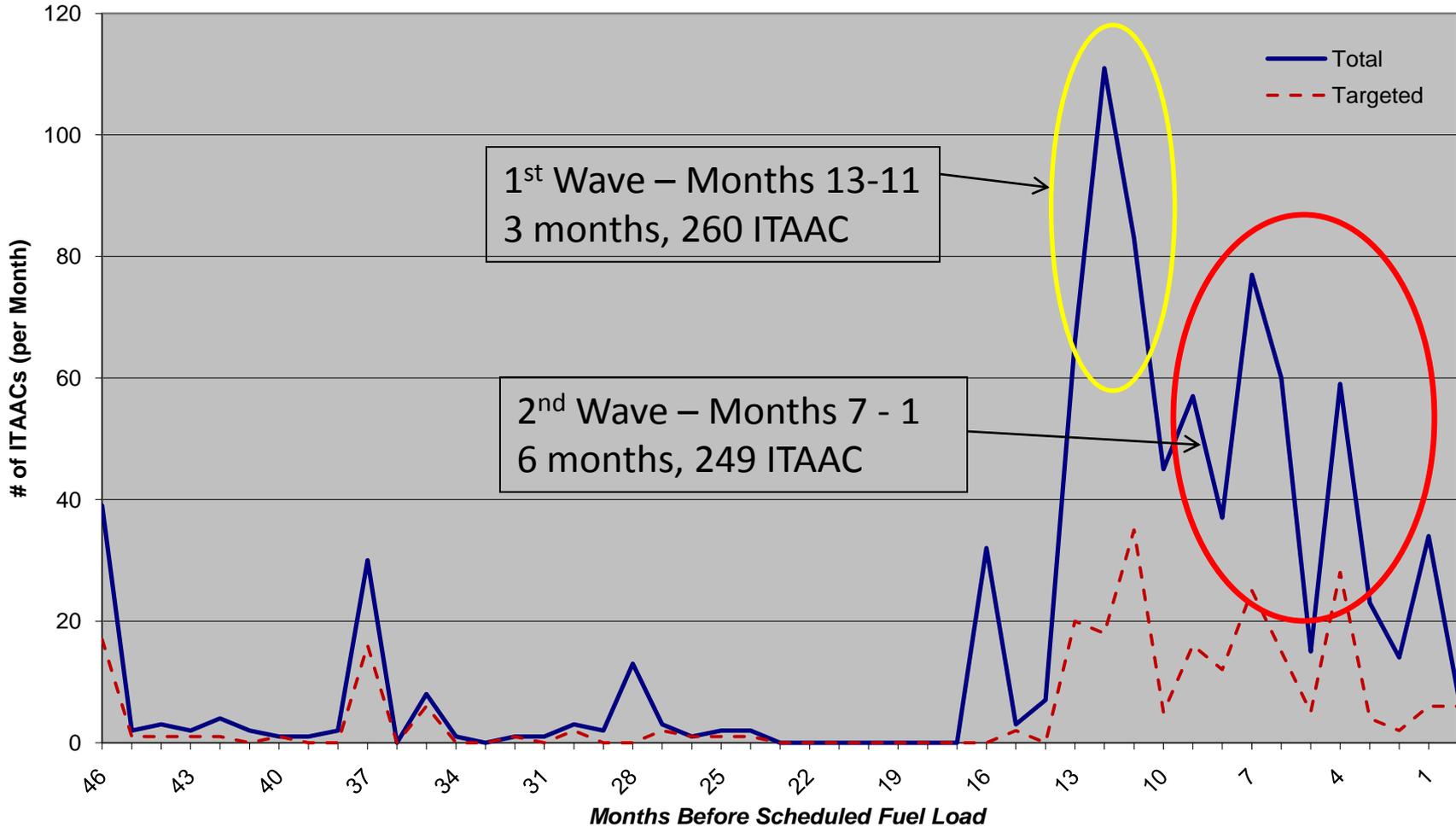
- ***Office Instruction drafted***
- ***Exercised process during:***
  - ***Internal counter-part meetings***
  - ***Public meetings***
  - ***ITAAC closure demonstration exercise***

# ***ITAAC Closure Demonstration***

- ***Participants: DOE, NRC, NEI, Southern, and Westinghouse***
- ***Inspections at Vogtle site and Westinghouse headquarters***
- ***Tested main aspects of ITAAC closure processes***

# Expected ITAAC Surge

Source: Westinghouse Electric Company SEPT 2010 Schedule - 1 Unit



# ***ITAAC Closure Demonstration***

- ***Successful in identifying lessons learned and challenges***
- ***ITAAC interpretations***
- ***Next steps and future ITAAC closure work***
- ***52.103(g) finding recommendation process under development***

# ***Summary***

- ***Transitioning from development to implementation***
- ***Continue to be forward looking and proactive***
- ***ITAAC are first of a kind we will adjust as needed to address any emerging challenges***

# ***Acronyms***

***CIP***      ***Construction Inspection Program***

***LWA***      ***Limited Work Authorization***

***TAR***      ***Technical Assistance Request***

***OIP***      ***Oversight Infrastructure Program***

***RIS***      ***Regulatory Information Summary***

***DOE***      ***Department of Energy***

***NRC***      ***Nuclear Regulatory Commission***

***NEI***      ***Nuclear Energy Institute***

# ***Acronyms***

***ITAAC***      ***Inspections, Test, Analysis,  
and Acceptance Criteria***

***CIPMS***      ***Construction Inspection  
Program Information  
Management System***

***VOICES***      ***Verification of ITAAC  
Closure Evaluation and  
Status***