

SCHEDULING NOTE

Title: INFORMATION BRIEFING ON INSPECTIONS, TESTS, ANALYSES, AND ACCEPTANCE CRITERIA (ITAAC) (Public)

Purpose: To provide the Commission an update on industry and staff activities related to completing ITAAC, conducting inspections on ITAAC, and verification of ITAAC completion.

Scheduled: July 7, 2015
9:00 am

Duration: Approx. 2 hours and 45 minutes

Location: Commissioners' Conference Room, 1st floor OWFN

Participants: **Presentation**

External Panel **30 mins***

Alan Torres, General Manager of Nuclear Construction,
South Carolina Electric & Gas Company
Topic: Licensee perspective on the ITAAC from field-related activities,
and efforts the utilities are taking for completing ITAAC 15 mins.*

Mark Rauckhorst, Vice President of Construction, Vogtle Units 3 and 4,
Southern Operating Co., Inc. 15 mins.*
Topic: Licensee perspective on the ITAAC from field-related activities,
and efforts the utilities are taking for completing ITAAC

Commission Q & A **40 mins.**

Break **5 mins.**

NRC Staff Panel **45 mins.***

Michael Johnson, Deputy Executive Director for Operations

Gary Holahan, Deputy Director, Office of New Reactors

Michael Cheek, Director, Construction Inspection & Operational Programs,
NRO

James Beardsley, Branch Chief, Construction Inspection Program Branch, NRO

Topic: NRC's Construction Inspection Program implementation as related to
ITAAC, and lessons learned to date

William Jones, Director of the Division of Construction Projects, RII
Topic: Status of Regional ITAAC inspections and related insights

Brian Anderson, Branch Chief, ITAAC and Generic Communications Branch, NRO
Topic: Verification of ITAAC closure notifications, ITAAC lessons learned.

Commission Q & A **40 mins.**

Discussion – Wrap-up **5 mins.**

*For presentation only and does not include time for Commission Q & A's.

Vogtle



units 3&4 Nuclear Development



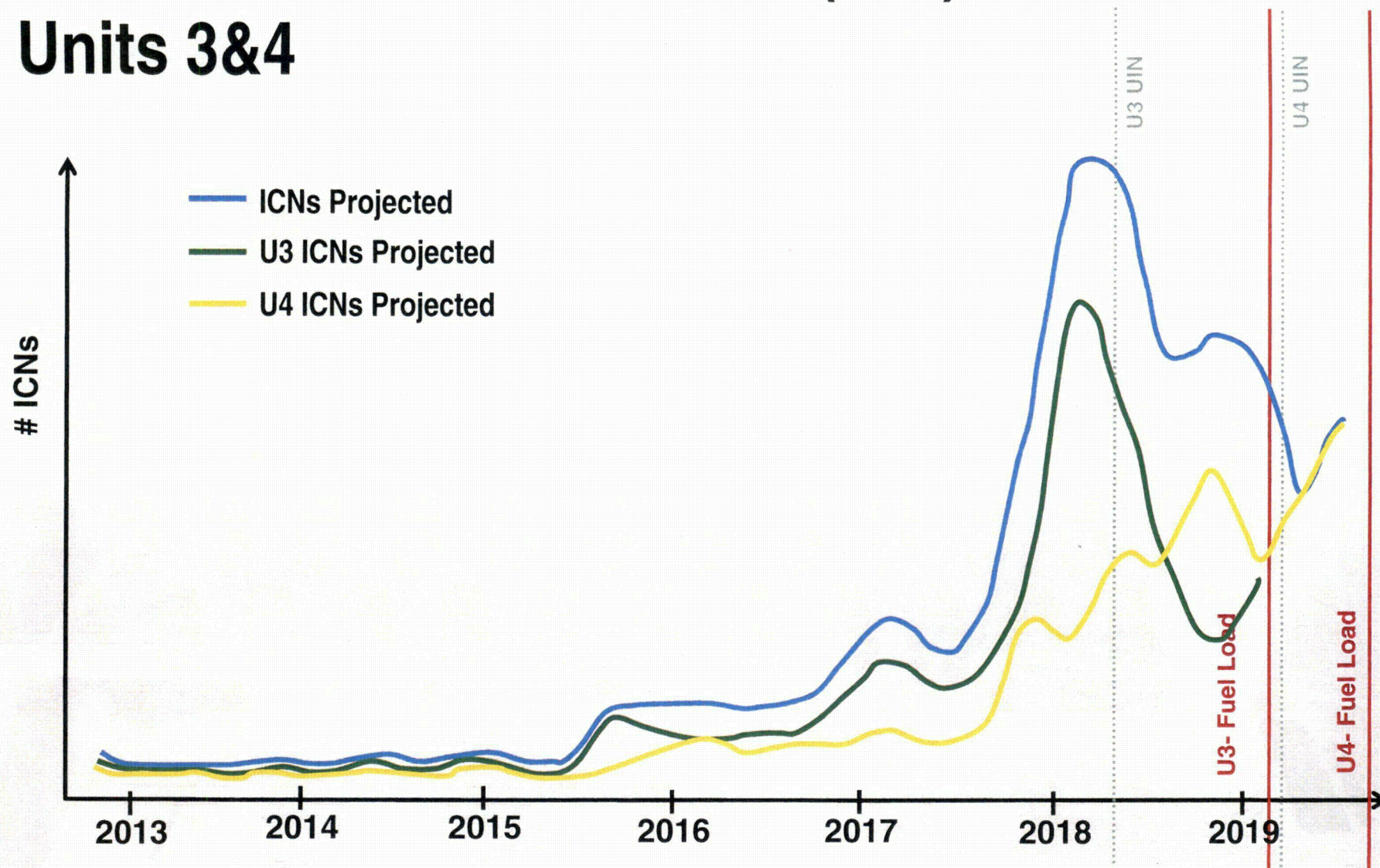
Vogtle 3&4 ITAAC Update

Mark Rauckhorst

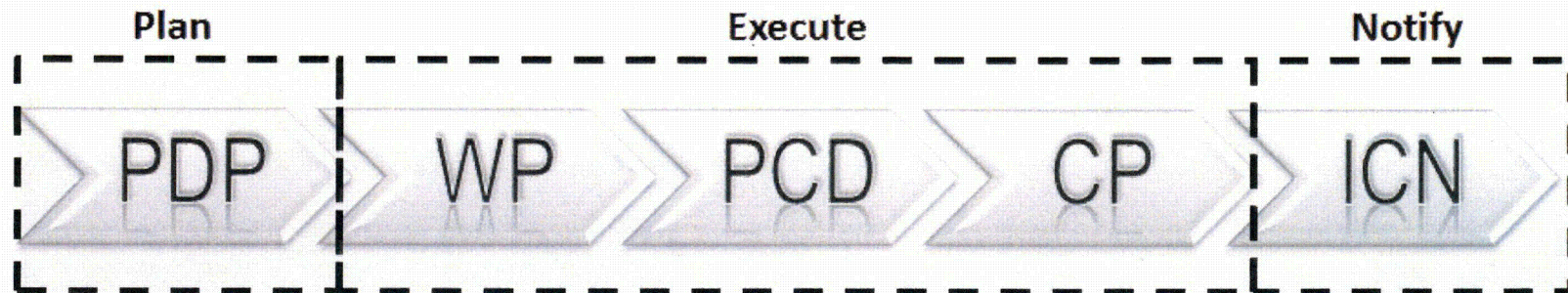
Southern Nuclear Operating Company

July 7, 2015

ITAAC Closure Notification (ICN) Submittal – Units 3&4

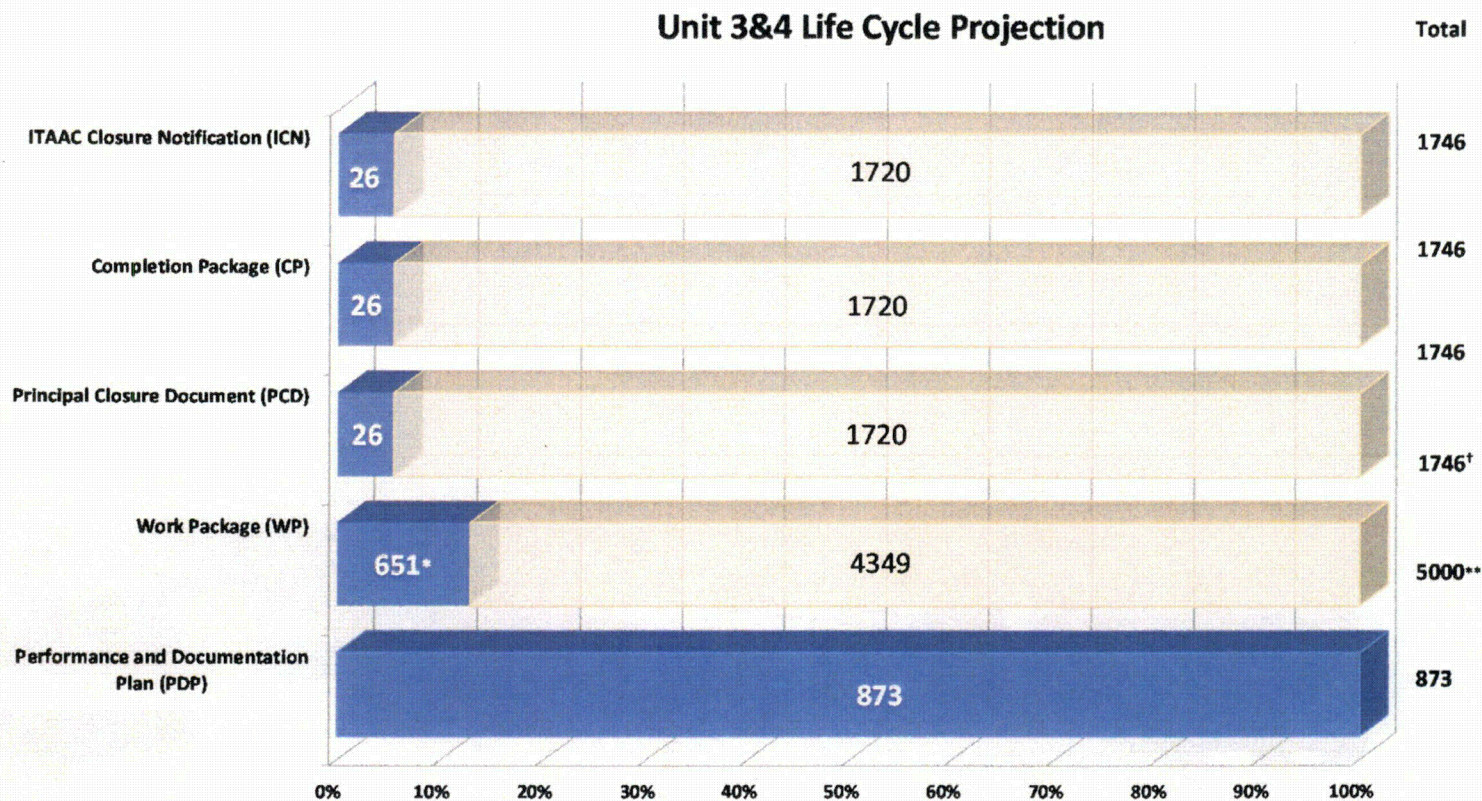


ITAAC Life Cycle



- **PDP** – Performance Documentation Plan
- **WP** – Work Package
- **PCD** – Principal Closure Document
- **CP** – Completion Package
- **ICN** – ITAAC Closure Notification

Life Cycle Status



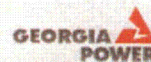
Note:

[†]This number is under review to account for ITAAC with multiple PCDs.

*WP screened as ITAAC applicable by CB&I Field Engineer prior to field implementation

**Total project estimate of WP screened by CB&I as ITAAC applicable

Projections reflect totals until the end of project with the exception of ICN 2015, which is yearly based.



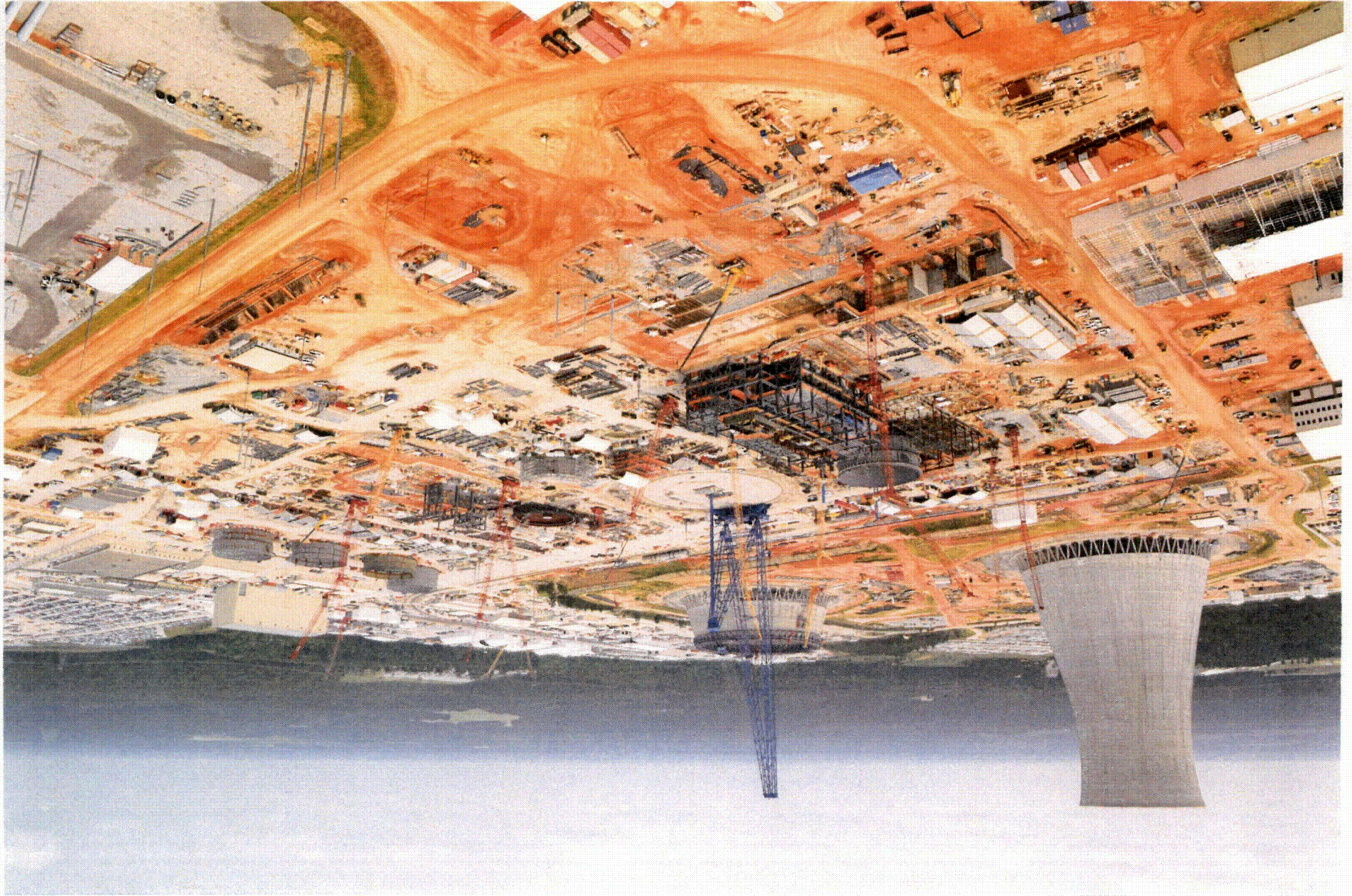
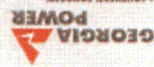
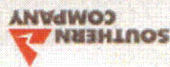
units 3&4 Nuclear Development

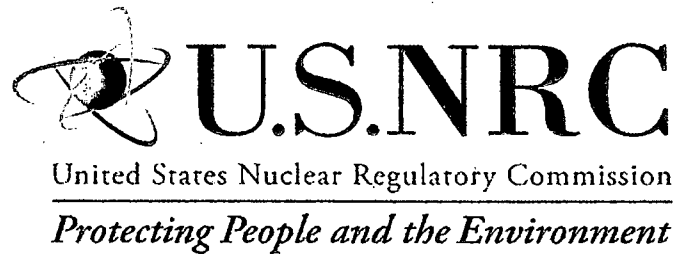
Early Uncompleted ITAAC Notification (UIN) Submittal Update

- 10 CFR 52.99(c)(3), Licensee shall submit the UIN at least 225 days before fuel load
- Early UIN submittal path forward:
 - Construction Inspection Program Task Force
 - Evaluate current processes
 - Share results

Moving Forward

- Execution of ITAAC Maintenance
- Discuss opportunities related to early UIN submittal with NRC
- Utilize NRC inspection planning meetings to continue coordination with NRC





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

Michael Johnson
Deputy Executive Director for Operations
July 7, 2015

ITAAC PROGRAMS AND POLICIES

**Gary Holahan, Deputy Director
Office of New Reactors**

CONSTRUCTION INSPECTION PROGRAM UPDATE

**Michael Cheok, Director
Division of Construction Inspection and
Operational Programs
Office of New Reactors**

AGENDA

- **NRC's Construction Inspection Program – James Beardsley**
- **Regional ITAAC Inspections – William Jones**
- **ITAAC Closure – Brian Anderson**
- **Summary – Michael Cheok**

KEY MESSAGES

- **Successful implementation of the construction inspection program**
- **Improvement of our processes through lessons learned**
- **Involvement of all stakeholders in enhancing transparency, efficiency, and predictability of our processes**

NEW NUCLEAR PLANT CONSTRUCTION INSPECTION PROGRAM

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

CONSTRUCTION INSPECTION PROGRAM IS BROAD, COMPREHENSIVE

- **ITAAC Inspection**
- **Construction and Operational Program Inspections**
- **Periodic Assessment of Construction Inspection Program Results**
- **Vendor Inspection Program**

COORDINATION BETWEEN NRC OFFICES

- **Technical Assistance Requests**
 - **Formal communication process between construction inspectors and headquarters**
- **Construction Inspection Program Information Management System (CIPIMS)**
 - **Planning, scheduling and reporting**
 - **All ITAAC related findings will be available in CIPIMS to facilitate ITAAC closure notification assessment**

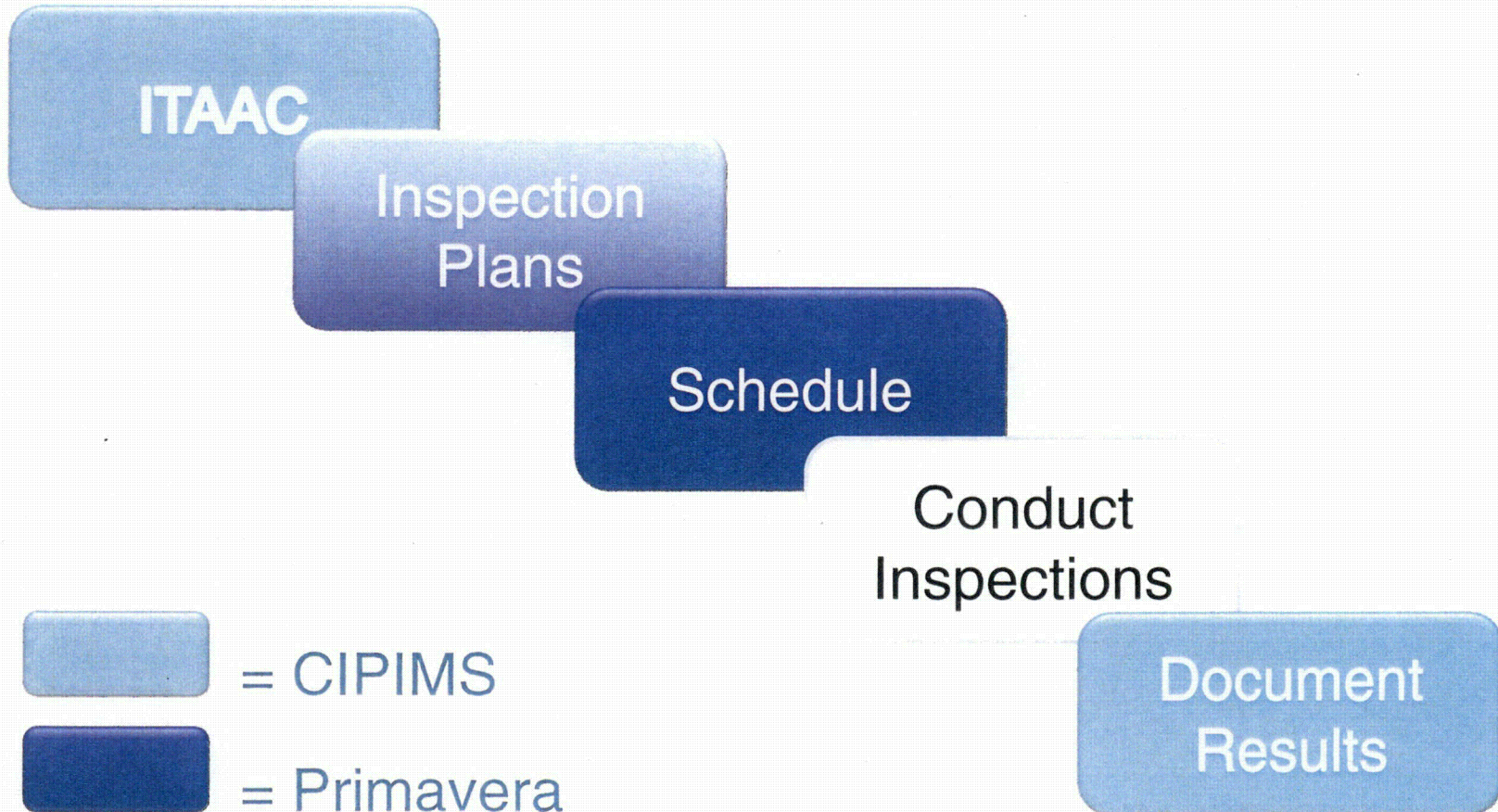
INITIATIVES ENHANCING EFFECTIVENESS

- **Early Identification and Resolution of Technical Issues**
- **Integrated transition working group report completed September 2014**
 - **Multiple actions are in process to plan and execute transition**
- **Initial test program implementation**
- **Routine evaluation of cROP effectiveness**

TIMELY AND EFFECTIVE CONSTRUCTION INSPECTIONS

**William Jones, Director
Division of Construction Projects
Region II**

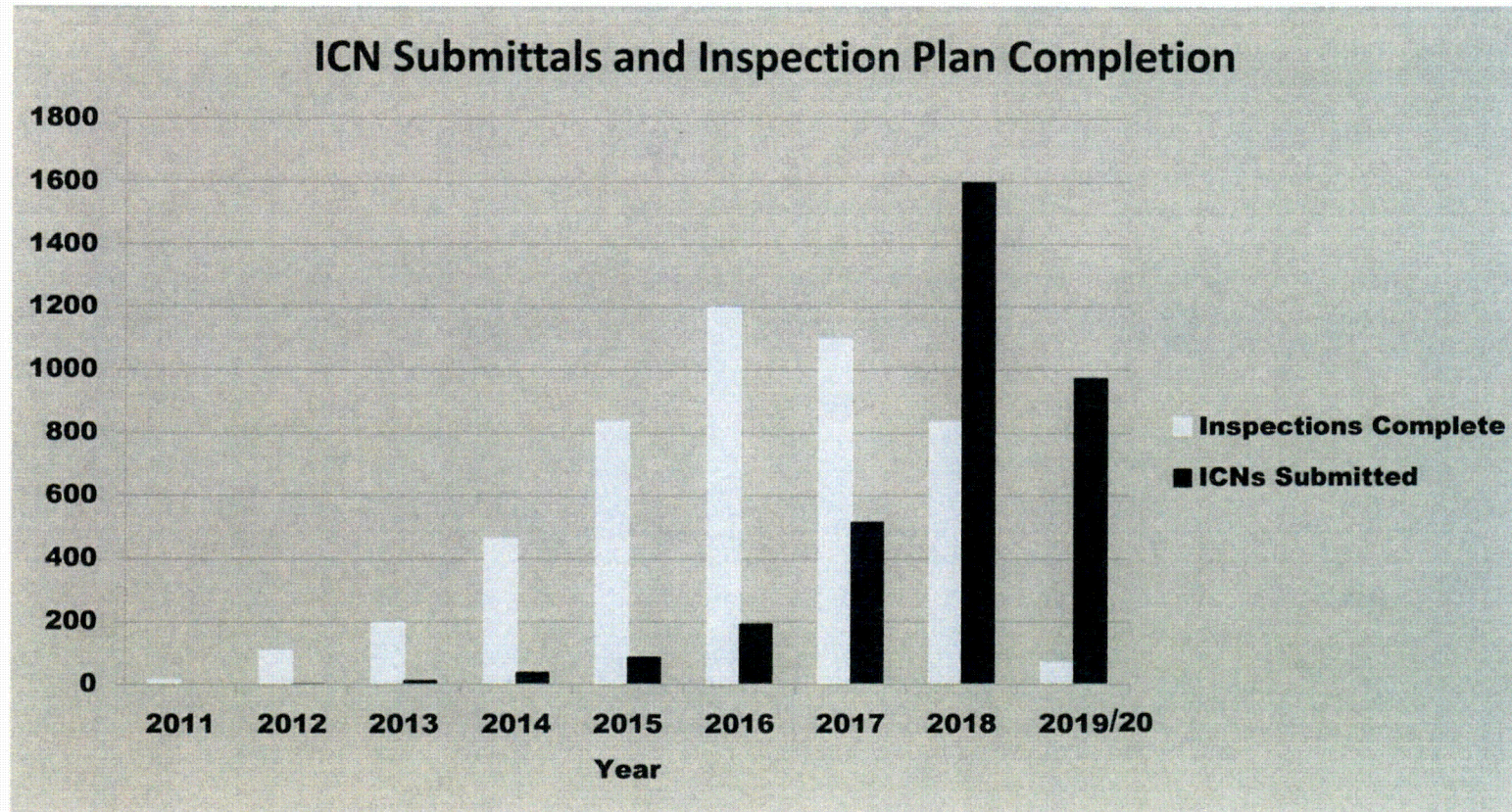
PLANNING AND SCHEDULING SUPPORT TIMELY INSPECTIONS



IMPLEMENTING TIMELY COMPREHENSIVE INSPECTIONS

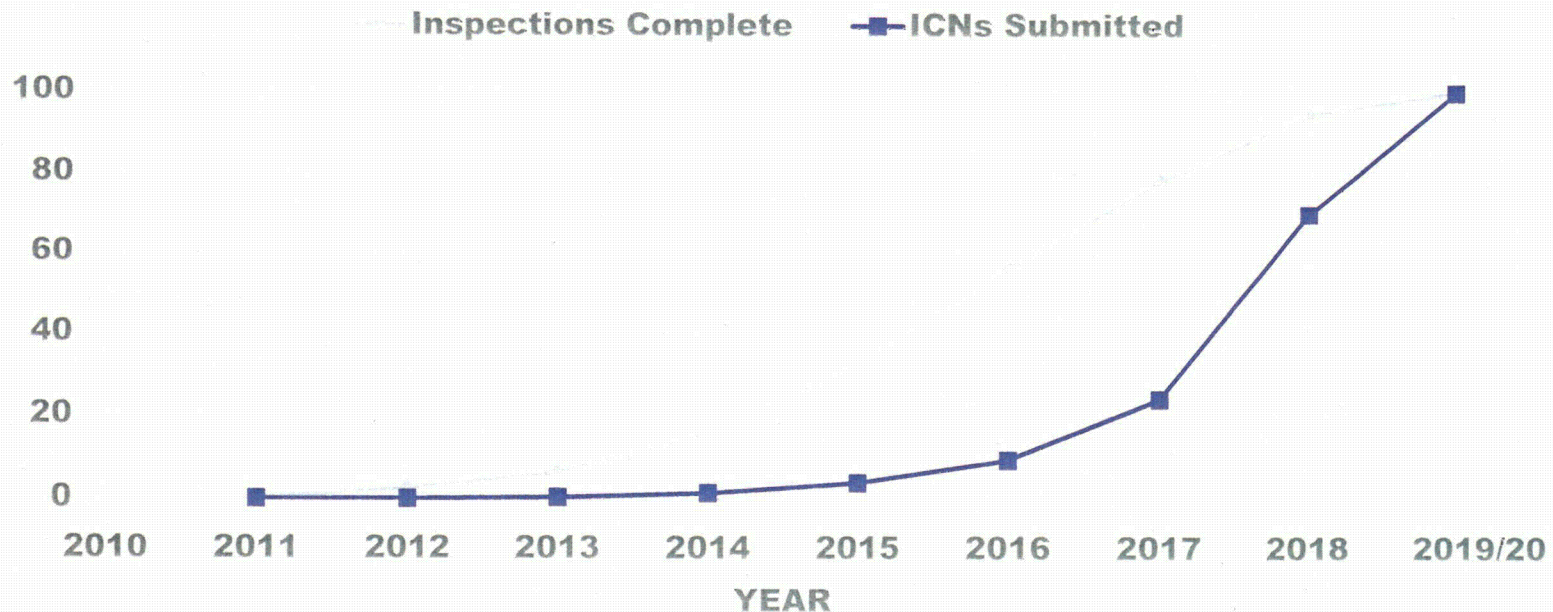
- **Inspections scheduled and performed as activities available**
- **Inspectors are knowledgeable engineers with access to subject matter experts as needed**

APPROPRIATE INSPECTION RESOURCES

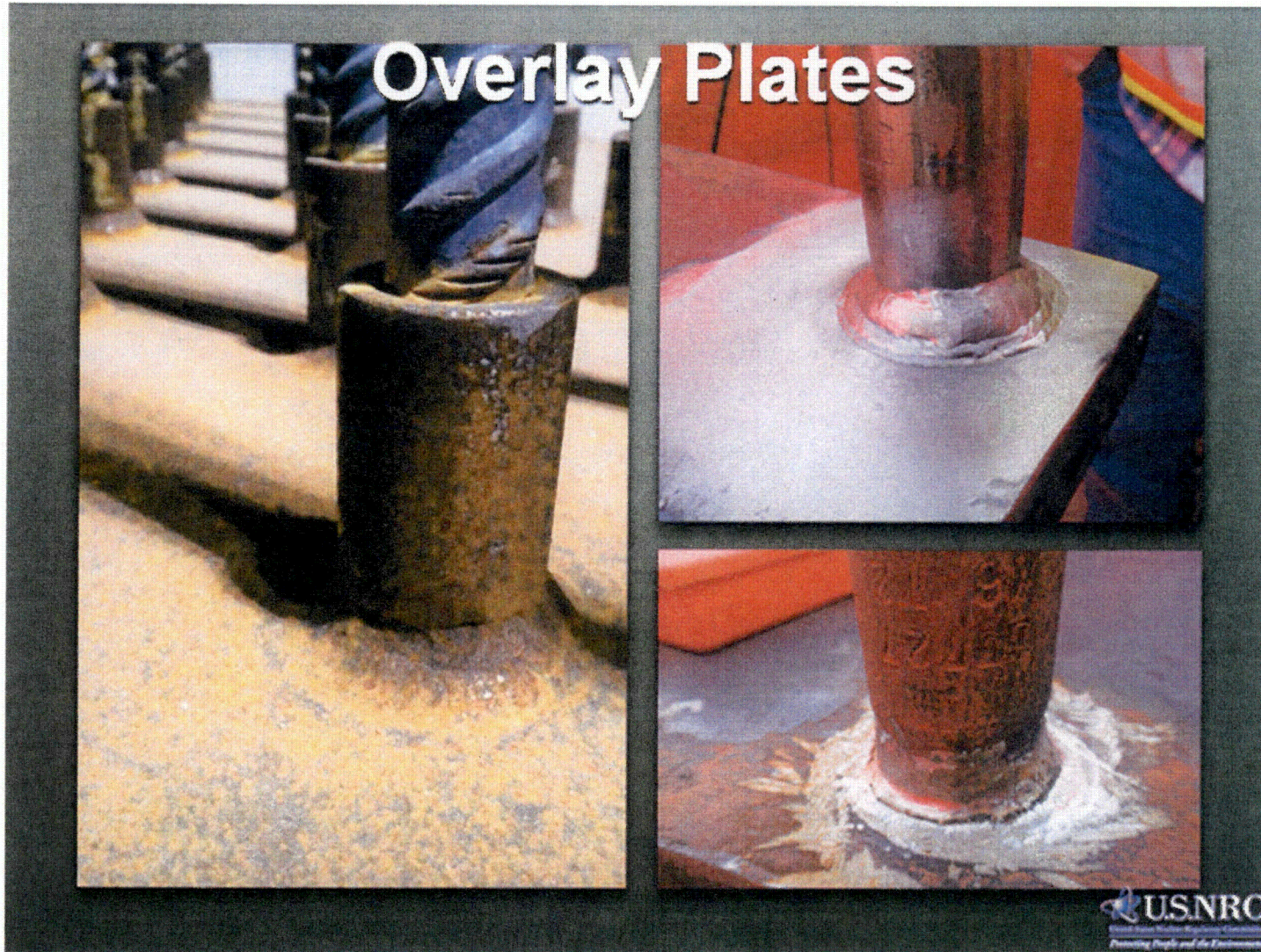


INSPECTIONS SUPPORT ITAAC CLOSURE VERIFICATION

ICN SUBMITTALS AND INSPECTION PLAN COMPLETION (CUMULATIVE)



COMPREHENSIVE INSPECTION ACTIVITIES



ITAAC CLOSURE

**Brian Anderson, Chief
ITAAC and Generic Communications Branch
Office of New Reactors**

ITAAC CLOSURE VERIFICATION PROCESS DISCIPLINED, CONSISTENT

- **Guidance developed for ITAAC closure process**
 - **NEI 08-01, Rev. 5**
 - **RG 1.215, Rev. 2**
- **Status of ITAAC closure**
- **Transparent approach for staff verification of ITAAC closure notices**
 - **Verification evaluation forms**
 - **Status reports on NRC public website**

NRC STAFF READY FOR EXPECTED ITAAC SURGE

- **Workflow system implemented**
 - **Verification of ITAAC Closure Evaluation System (VOICES)**
- **Online training module is complete**
- **Process for 52.103(g) finding is being finalized**
- **Continuous stakeholder engagement**
 - **Insights incorporated from 23 public meetings since 2011**

ITAAC LESSONS LEARNED INFORM ONGOING ACTIVITIES

- **Lessons have been documented and shared**
 - **“Lessons Learned to Improve ITAAC,” RIS 2008-05, Rev. 1 (2010)**
 - **New Reactor Lessons Learned Reports (2013)**
- **Development of standardized ITAAC**
 - **Increased efficiency**
 - **Greater consistency**

SUMMARY

- **The construction inspection program has been fully implemented and lessons learned are used to improve our processes**
- **Stakeholder engagement is essential for enhancing the efficiency, predictability, and transparency of our processes**
- **Processes are in place and ready to support the inspection and verification of ITAAC completion**

ACRONYMS

ITAAC

**Inspections, Tests,
Analyses, and
Acceptance Criteria**

CIPIMS

**Construction Inspection
Program Information
Management System**

VOICES

**Verification of ITAAC
Closure Evaluation
and Status**

ICN

**ITAAC Closure
Notification**