

**RIC 2009  
Construction Inspection Program:  
Industry Perspectives**

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**Outline**

- Progress in the past year
- Current CIP issues
- Enhanced quality oversight
- Summary



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**Progress on CIP**

- Substantial progress on CIP Assessment
- Agreement on guidance for ITAAC close-out
  - ITAAC closure notifications to NRC
  - Auditable documentation to be maintained on site
  - Use of licensee programs to maintain the validity of ITAAC conclusions
- NRC endorsement of NEI 08-01 in progress



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### Current CIP Issues

- **ITAAC closure and maintenance**
  - When to notify NRC about activities affecting closed ITAAC
  - Possible “all-done” letter stating all ITAAC have been completed and are being maintained
- **Supplemental guidance under development**

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### CIP Assessment – IMC-2505

- **Transparent, scrutable**
- **Periodic meetings**
- **Public information**
- **Predictable response**
- **Safety Culture**
- **Performance Indicators**
- **Significance Determination Process**
- **ITAAC\***

Reactor Oversight Program	Construction Assessment
X	X
X	X
X	X
X	X
X	X
X	
X	
	X

\* Inspections, Tests, Analyses and Acceptance Criteria

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### Construction ≠ Operation

- **Which elements of the Reactor Oversight Program should be applied to construction?**
- **ITAAC bring key hallmarks of the ROP to construction inspection and assessment:**
  - Transparency
  - Objectivity
  - Safety focus
  - Predictability
  - Public involvement
- **Key ROP principles met without all ROP elements**

ITAAC:  
 • What is important?  
 • What is success?

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### Enhanced Quality Oversight

- **Approved standard QA Program Description for construction and operation**
- **Standardized training and qualification of QA/QC personnel**
- **Standardized framework for**
  - Problem Identification and Resolution (NEI 08-02)
  - Safety Conscious Work Environment (NEI - TBD)
- **Enhanced vendor oversight**
  - NUPIC and NIAC\*
  - Training on identifying fraudulent parts and materials



\* Nuclear Utilities Procurement Issues Committee and Nuclear Industry Assessment Committee

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### Summary

- **Continue forward progress on ITAAC close-out and maintenance issues**
- **ITAAC process provides objective focus on assuring the plant is built as approved**
- **Enhanced, standardized programs will help assure quality construction**



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