



RIC 2009 Construction Inspection Program

Glenn M. Tracy, Director
Division of Construction Inspection and
Operational Programs
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Topics of Interest

- ITAAC
- Construction Problem Identification and Resolution
- Construction Assessment Program
- Engineering Design Verification
- Vendor Inspection
- Construction Experience

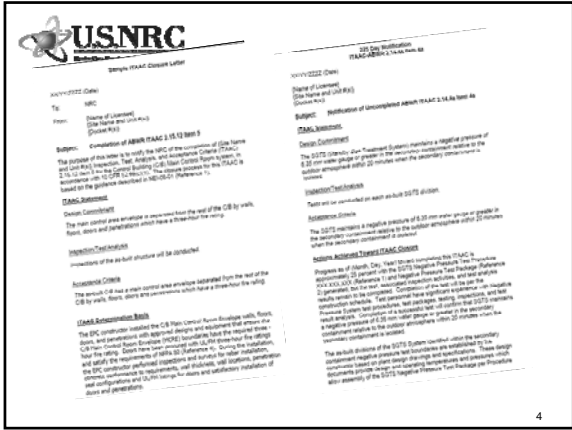
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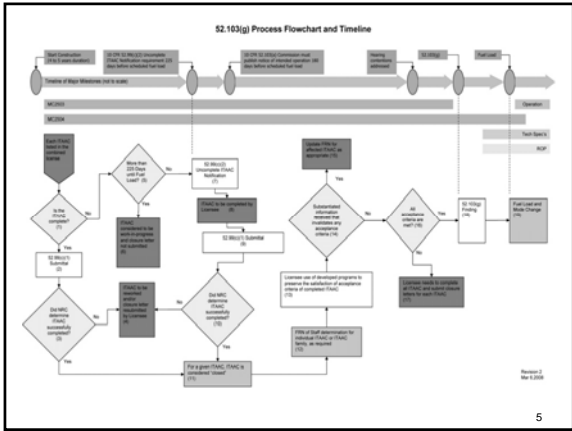


ITAAC

- ITAAC closure
 - DG 1204 (NEI 08-01)
 - SECYs 06-0114, 07-0047, 08-0117
 - RIS 2008-05
- ITAAC preservation
 - Maintenance or modifications to equipment or systems that impact closed ITAAC
- ITAAC notifications
 - Issues relating to closed ITAAC
 - Ultimate completion of ITAAC
 - Possible rulemaking or license conditions

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USNRC

Definition of Construction

- 10 CFR 50.10, "License Required; Limited Work Authorization"
- Final staff guidance ISG-4 issued February 18, 2009
 - Provides guidance regarding delineation of pre-construction activities and those requiring NRC approval
 - Emphasizes the importance of ITAAC recognition



Construction Problem Identification and Resolution (PI&R)

- Lessons learned from NUREG 1055
- PI&R inspections integral to NRC's overall inspection approach
- NRC assessment of PI&R effectiveness prior to issuance of NCVs
- Ensuring consistency throughout industry (licensee/EPC/vendors) via NEI 08-02

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Construction Assessment Program

- Manual Chapter 2505 / SECY 08-155
- Commission guidance to reconsider elements and propose policy options
 - Significance Determination Process
 - Performance Indicators
- Ensure appropriate implementation of safety culture concepts
- Seeking continued stakeholder input

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Engineering Design Verification Inspections

- Aim to verify accurate "translation" of requirements in certified designs into applicable design, procurement, and construction documents by Engineer-Procurement-Constructor entity
- Inspection Procedure (Draft) 37802
- Pilot conducted in October 2008
- Insights and future plans

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Vendor Inspection Program

- SECY 07-0105 / Manual Chapter 2507
- Key insights from inspections
- Workshop on Vendor Oversight for New Reactor Construction, December 2008
- Continued focus and enhancement
 - International cooperation and MDEP VICWG
 - Oversight of offsite module fabrication
 - Pre-COL activities to support ITAAC

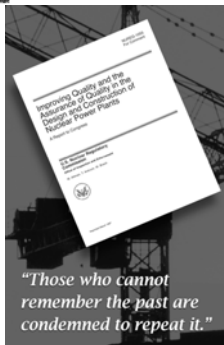
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Construction Experience (ConE)

- Systematic review of international and domestic ConE
- Integrated with NRC OpE Program
- Development of NRO Office Instruction
- 86 events evaluated / INs 2007-04, 2008-04, 2008-17/ 4 Generic Communications in development
- International exchange of vendor and construction information
- Coordination with INPO

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