Public Meeting on the Operating License Application for Watts Bar Nuclear Plant Unit 2

April 9, 2014

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United States Nuclear Regulatory Commission
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Enclosure 4

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Meeting Agenda

- Introductions
- TVA presentation on project status
- NRC presentation on project status and remaining activities
- Questions and comments

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Topics

- Background
- Restart of Unit 2 Review
- Licensing Activities
- Oversight Activities
- Upcoming Milestones
- Public Involvement
- Questions

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Background

- 1971 – Under Part 50, NRC receives construction permit (CP) application
- 1972 – Mandatory hearings held
- 1973 – CPs issued
- 1976 – Operating licenses (OLs) received
- 1985 – TVA suspends construction
- 1990 to 95 – TVA addresses construction quality issues for Unit 1 and defers work on Unit 2
- February 7, 1996 – NRC issues OL for Unit 1

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Restart of Unit 2 Review

- 2007 – TVA informs NRC of its intent to restart construction activities and complete construction in 2012
- 2007 –2008 – NRC established Unit 2 resident inspector office (IMC2517 ADAMS ML13136A301)
- 2008 – NRC established the licensing review process (LIC-110 ADAMS ML092160833)
- 2009 – Notice in Federal Register to provide opportunity for hearing
- 2012 – TVA informs NRC of delays to construction of Unit 2
  - Operating License/Fuel load between January and June 2015
  - Commercial Operation by December 2015

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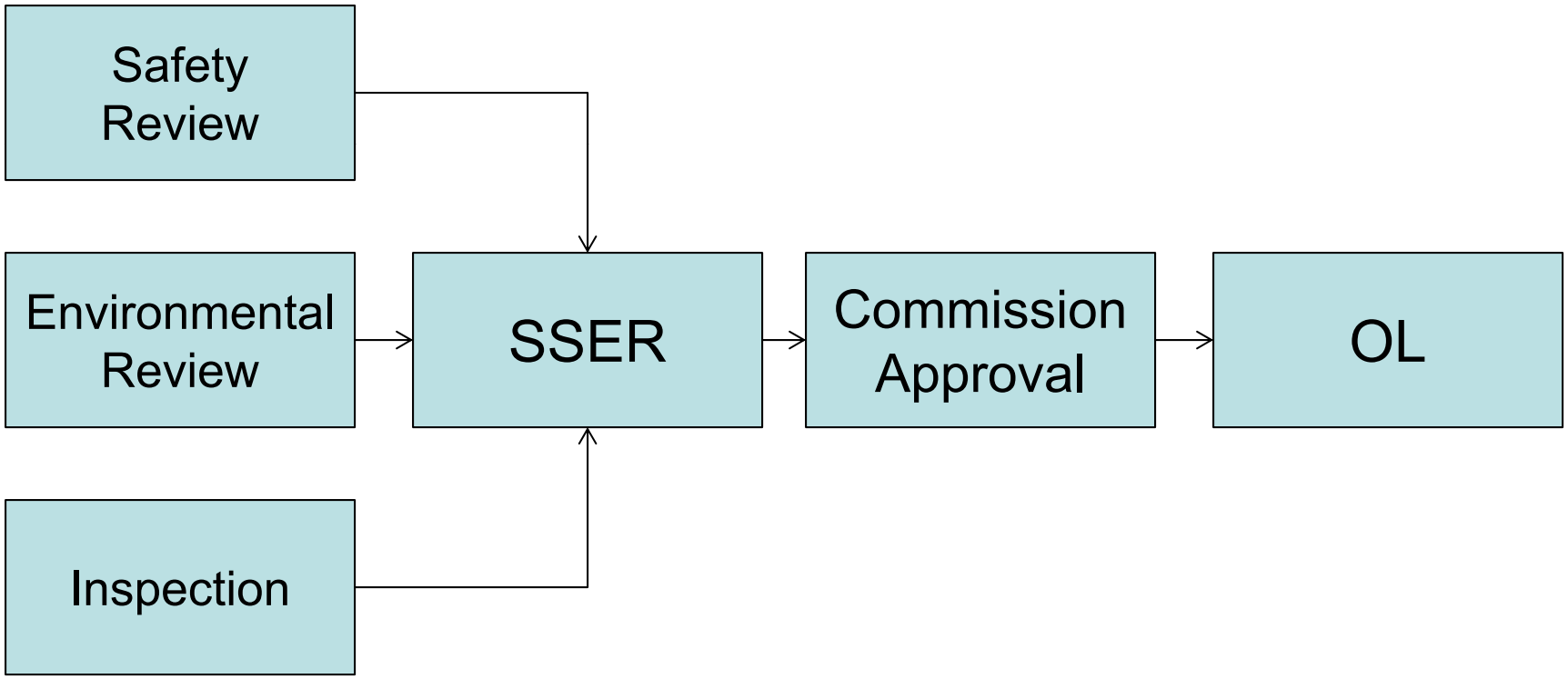
Operating License Review



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Licensing Activities

- Staff is working toward an operating license decision in January 2015
- Licensing activities completed
  - Issued 6 Supplemental Safety Evaluation Reports (SSERs) documenting the staff's safety review
  - Held 9 ACRS Subcommittee and one Full Committee meetings
  - Issued Supplement 2 to the Final Environmental Statement

- Licensing activities remaining
  - Closing out open items identified in previous 6 SSERs
  - Final ACRS Subcommittee and Full Committee meetings
  - Fukushima Orders review

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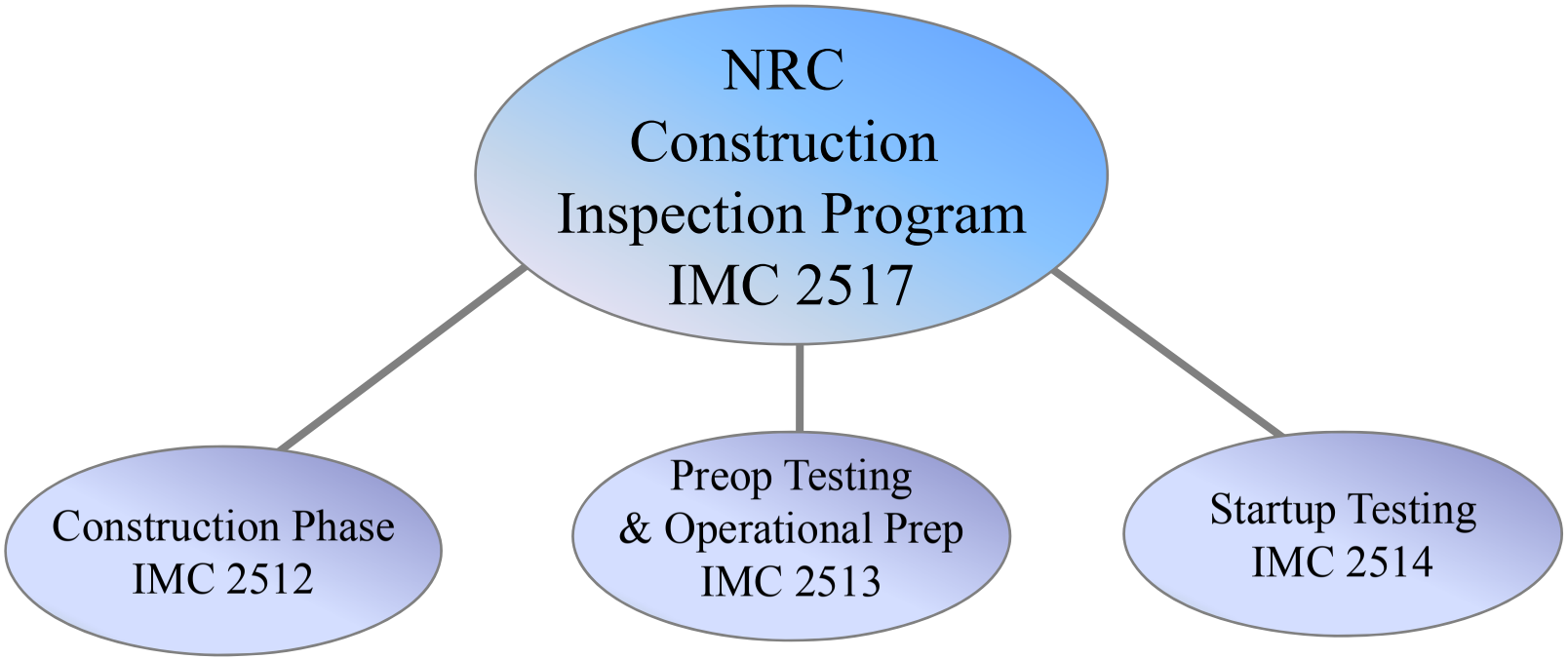
Construction Inspection Program

Inspection Manual Chapter (IMC) 2517, Watts Bar Unit 2 Construction Inspection Program



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Status of Inspection Items

- 547 construction inspection items in the Inspection Planning and Scheduling (IP&S) database
- Inspections completed for 378 IP&S items
- Closed ten (10) Corrective Action Programs and Special Programs
- Pre-operational testing inspections started

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Remaining Inspection Items

- Complete inspections for 169 open IP&S items
- Many remaining IP&S items have been inspected, but require additional effort to close
- Planning completed for preoperational testing inspections – Waiting on testing to be performed
- Operational readiness inspections started
- Majority of IMC 2514 start-up testing inspections performed after licensee issuance

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Oversight Activities

- Impact of Construction Schedule on Inspection Program
  - Increased number of residents to four
  - Increased resident support activities from the region
  - Focus is on scheduling and inspecting activities
    - Reviewing TVA's Primavera construction schedule
    - Adjusting NRC schedule for remaining inspection items
    - Pace of regional inspections has increased
  - Scheduling of inspections
    - Scheduled inspections for 77% of the remaining open items
    - Scheduled 34 inspections to review pre-operational activities
    - Scheduled 6 operational readiness inspections
- Planning underway for transition to the Reactor Oversight Process

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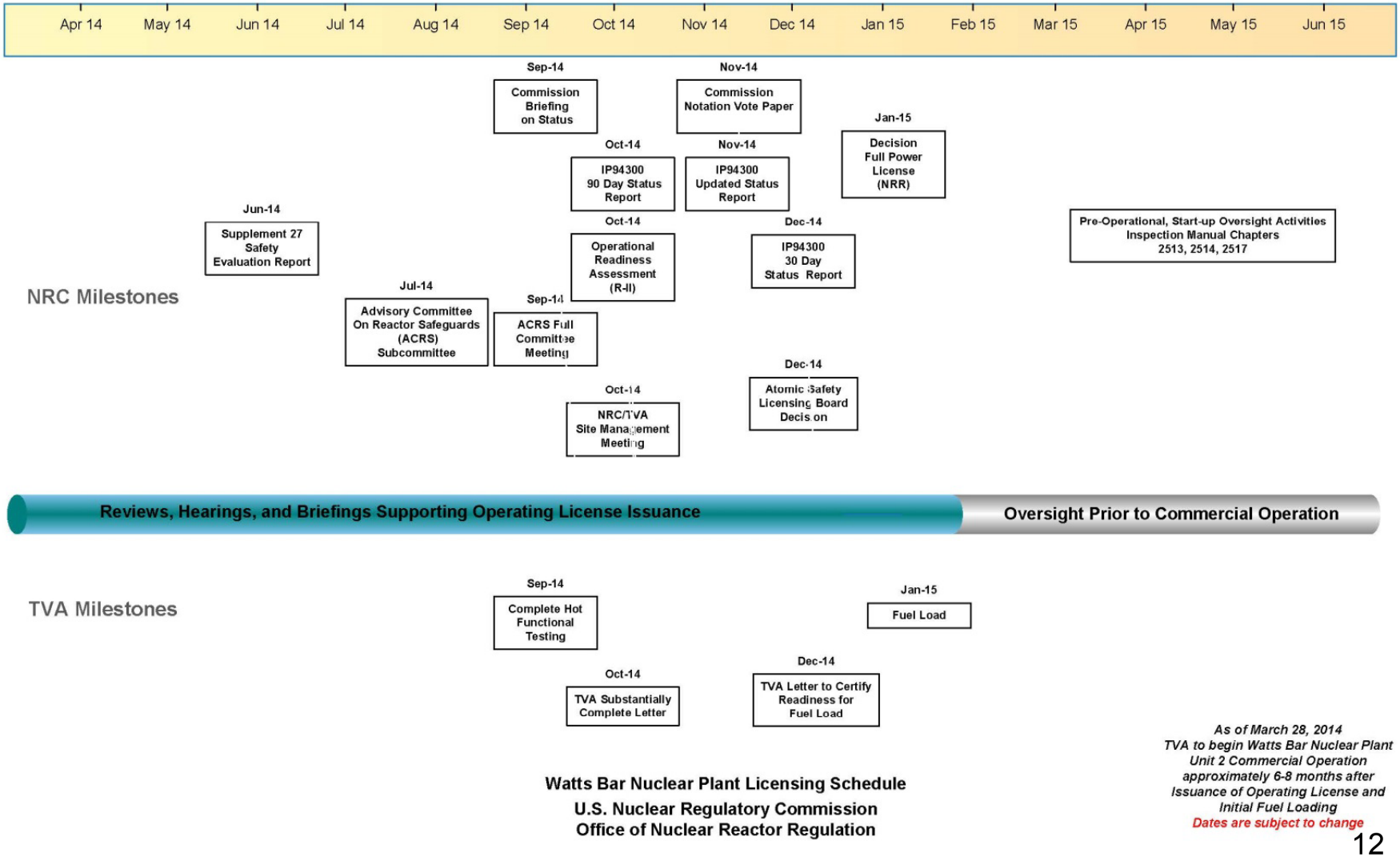
Milestones

http://www.nrc.gov/info-finder/reactor/wb/watts-bar.html



Watts Bar Nuclear Plant Licensing Schedule
U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation

As of March 28, 2014
TVA to begin Watts Bar Nuclear Plant Unit 2 Commercial Operation approximately 6-8 months after Issuance of Operating License and Initial Fuel Loading
Dates are subject to change

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Additional Information

- Website - http://www.nrc.gov/info-finder/reactor/wb/watts-bar.html
- NRR Office Instruction LIC-110
  - ADAMS (http://www.nrc.gov/reading-rm/adams.html) Accession No. ML092160833
- Inspection Manual Chapter 2517
  - Accession No. ML13136A301
- Points of contact
  - Justin Poole, Senior Project Manager
    - Phone: 301-415-2048
    - Email: justin.poole@nrc.gov
  - Jeanne Dion, Project Manager
    - Phone: 301-415-1349
    - Email: jeanne.dion@nrc.gov
  - Tomy Nazario, Senior Resident Inspector
    - Phone: 423-365-9112
    - Email: tomy.nazario@nrc.gov