



NRC Public Meeting: Possible Efficiencies on the Subsequent License Renewal Application Review

NRR/DNRL and NMSS/REFS

September 5, 2024

Meeting Agenda

- A. Issuance of Comanche Peak LR + North Anna SLR
- B. Staff Requirements Memorandum (SRM-COMCTH-24-0003): LR/SLR Expectations (August 8, 2024)
- C. Staggering Future Applications
- D. Safety Review
 - License Renewal Roadmap – Status Update
 - Progress on Piloting the Tiered Approach
 - Restructuring Audits
- E. Environmental Review
 - License Renewal Roadmap – Status Update
 - Final Rule on LR GEIS
 - ADVANCE Act – Report on Environmental Reviews

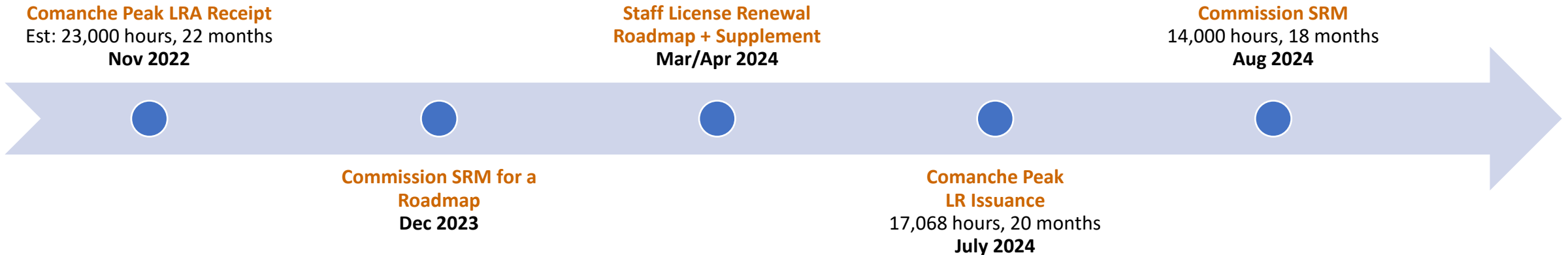


Comanche Peak License Renewal

Comanche Peak Nuclear Power Plant, Units 1 and 2, renewed licenses were issued July 30, 2024.



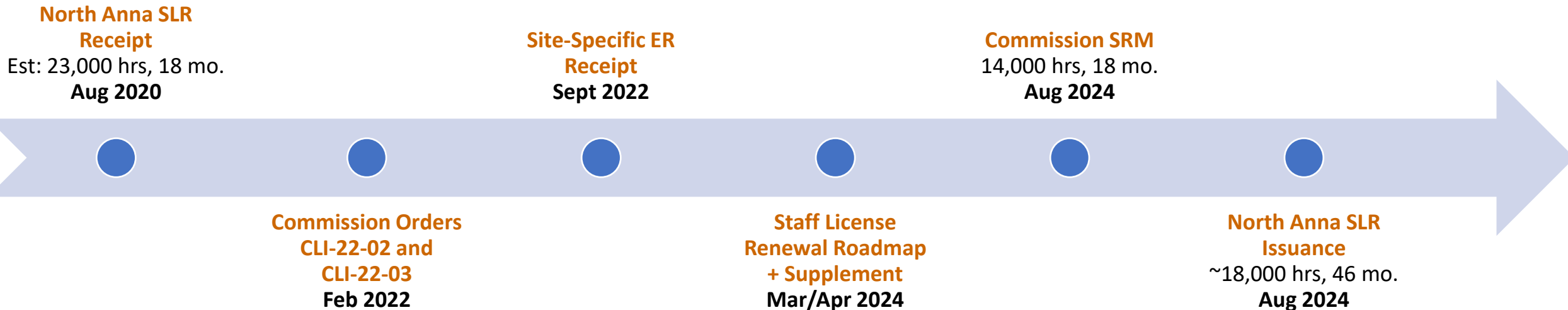
The review was completed **2 months ahead of schedule** and **5,932 hours underbudget**.



North Anna Subsequent License Renewal

North Anna Power Station, Units 1 and 2, subsequent renewed licenses were issued August 28, 2024.

The review was completed
~5,000 hours underbudget.



License Renewal and Subsequent License Renewal Review Expectations (SRM– COMCTH-24-0003) (ML24221A320, August 8, 2024)



New Applications:

No more than
14,000 Hours, 18-months,
30-day acceptance review



Current Applications:

Adjust to meet new metrics

Actions:

- Continue:
 - Applying process improvements + lessons learned
 - Engagement with industry on timing of applications
 - Affording credit of operational programs
- Business process improvement exercise to identify + implement additional efficiencies
- Reporting to Commission:
 - Monthly Commission Assistant Notes on progress/metrics
 - Exceedance of 10% of metrics

Requesting Feedback on NRC's Recommendation: Staggering Future Submittals

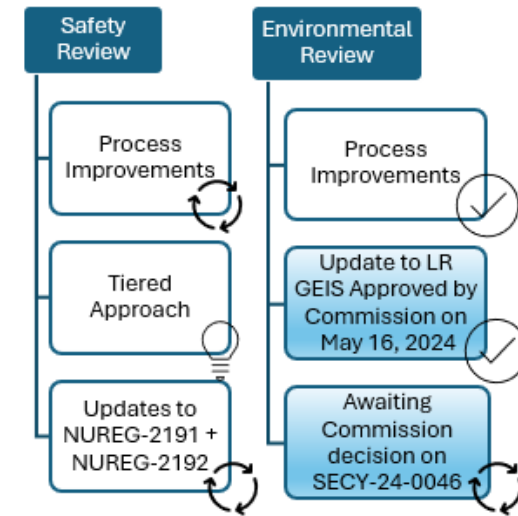


Industry thoughts?

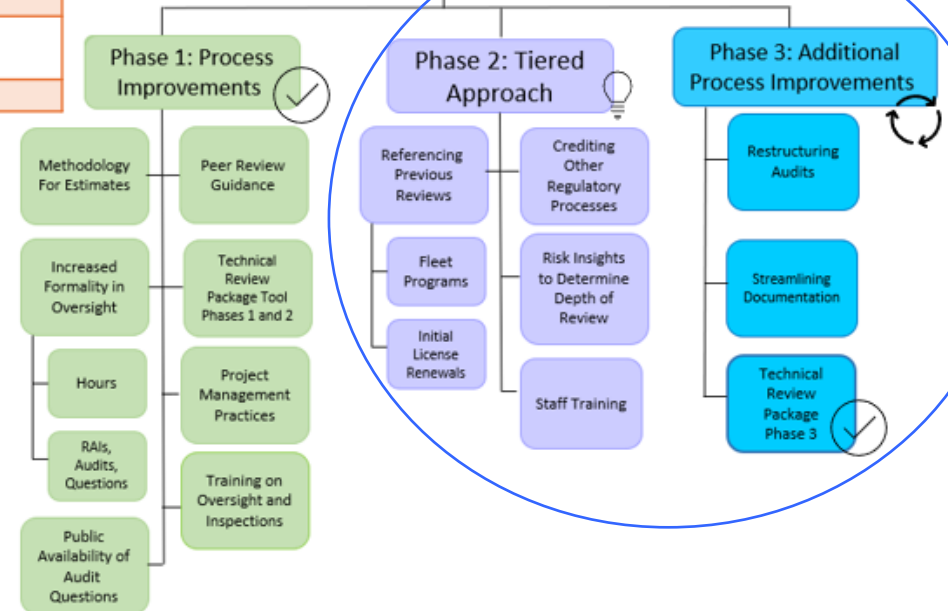
Safety Review



	SECY-24-0026 – Commitments	Date	Status
1	Implementation of License Renewal Roadmap		In Progress
1a	Safety Review		In Progress
	<ul style="list-style-type: none"> Phase 1: Process Improvements 	March 2024	Applied to LR/SLR Reviews
	<ul style="list-style-type: none"> Phase 2: Tiered Approach 	April 2024	Established; Piloting approach on Dresden SLR and Clinton LR
	<ul style="list-style-type: none"> Phase 3: Additional Process Improvements 	December 2024	In Progress
1b	Environmental Review		In Progress
	<ul style="list-style-type: none"> Process Improvements 	Various times, starting Dec 2022	Complete
	<ul style="list-style-type: none"> New: Implementation of LR GEIS <ul style="list-style-type: none"> Process to streamline inflight LR/SLR reviews Implementing streamlining efforts (leveraging Cat 1 issues) for inflight reviews Process to restart paused SLR reviews when LR GEIS in effect 	April 2024	Complete
		September 2024	In Progress
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	<ul style="list-style-type: none"> New: FRA Requirements <ul style="list-style-type: none"> Develop framework for consideration of EAs Pilot for Dresden SLR 	June 2024	Complete
		July 2024	Complete
2	Launch of public dashboard of updates to the License Renewal Roadmap	August 2024	Complete
3	Issuance of updates to GALL-SLR Report and NUREG-2192	February 2025	In Progress



Safety Review: 3-Phase Approach



Environmental Review: Process Improvements

- 1 Streamline EIS Development
- 2 Agile Methodology for Workload Planning
- 3 Realignment of the ECOE
- 4 Use of Technology Tools to Improve Audits
- 5 Requests for Confirmatory Information (RCIs)
- 6 Improvements in Comment Processing
- 7 Streamlining Administrative Prepublication Reviews
- 8 Assessment of Public Meetings
- 9 Increased Use of Contractor Support for Reviews



Progress on Applying the Tiered Approach (Dresden/Clinton)



Dresden SLR:

- Continuing the Tiered Approach into the technical review
- Leveraging of fleetwide programs supported significant reduction of Generic tiering
- Will continue to reinforce training and clarify review expectations with staff to support successful implementation

Clinton LR:

- Tiering generally matched the Generic tiering

Requesting Feedback: Restructuring the Aging Management Audit

Goal: Seeking industry input/feedback in the staff's effort to improve the efficiency of the aging management audit



Considerations:

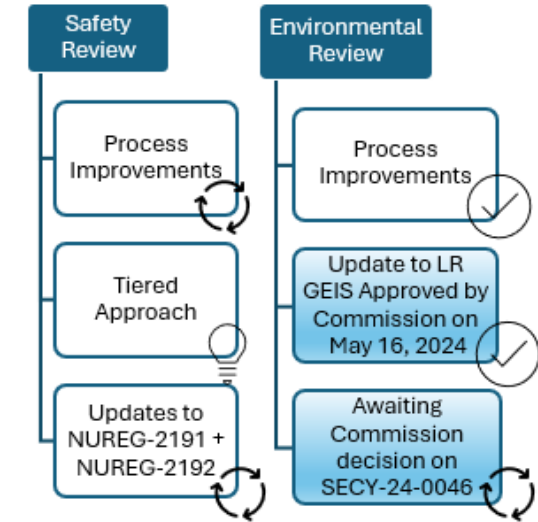
- Overall process
- Timing and length of audit
- Interactions (NRC/Applicant)
- Technology (ePortal, Microsoft Teams)
- Best practices / Lessons learned



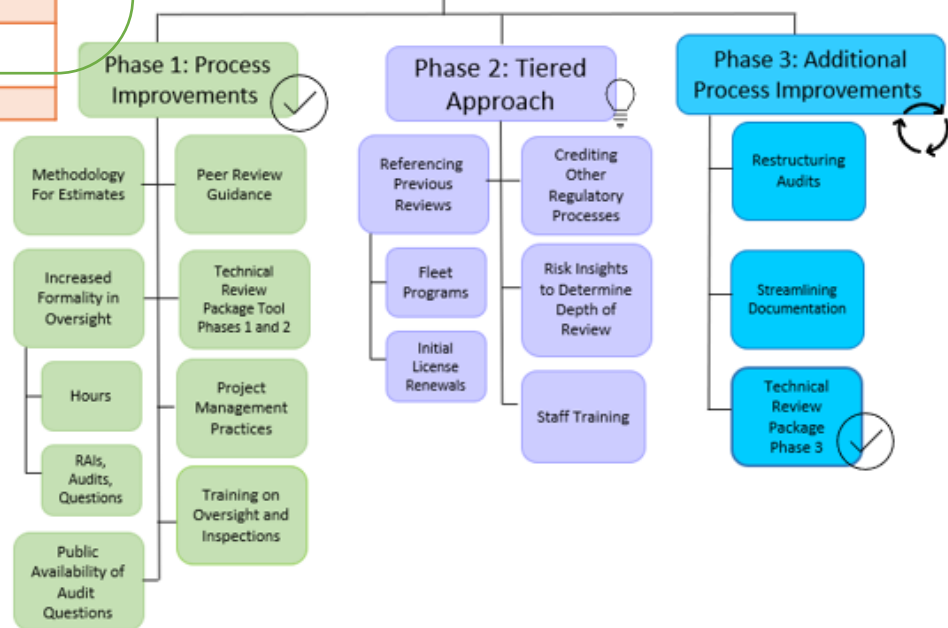
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NRC Commission Approval of LR GEIS Rule (August 6, 2024)

**NUCLEAR REGULATORY
COMMISSION**

10 CFR Part 51

[NRC-2018-0296]

RIN 3150-AK32

**Renewing Nuclear Power Plant
Operating Licenses—Environmental
Review**

AGENCY: Nuclear Regulatory
Commission.

ACTION: Final rule and guidance;
issuance.

Renewing Nuclear Power Plant Operating Licenses – Environmental Review

- Updates Commission’s 2013 findings on the environmental effect of renewing the operating license
- Redefines number/scope of environmental issues addressed during the review of each license renewal application
- Issues [Revision 2 to NUREG-1437](#), “Generic Environmental Impact Statement for License Renewal of Nuclear Plants” (LR GEIS) ([Approved](#) by Commission on May 16, 2024)

ADVANCE Act – Report on Environmental Reviews

[Accelerating Deployment of Versatile Advanced Nuclear for Clean Energy \(ADVANCE\) Act \(2024\)](#)

NRC to report to Congress on efforts to facilitate **efficient, timely, and predictable environmental reviews** for nuclear reactor applications for a license under AEA Section 103 (January 2025)





Questions?