

Right-sizing SLR Reviews

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Agenda

Right-sizing Elements

Look holistically at the process.

A Graded Approach

Give credit where credit is due.

Categories & AMPs

Focus on what has changed and what is unique.

Environmental

Pursue opportunities for efficiency.

Discussion/Next Steps

Prioritize and execute the plan.

Right-sizing SLR Reviews

- Reexamine what is needed for reasonable assurance
- Strong leadership and staff discipline are essential
- Adopt a more graded approach for reviews
- Schedule and resource metrics must strive for excellence and predictability



Graded Approach

- Risk and safety significance should be a driver for depth of review

- Maximize credit for adherence to guidance and standardization
 - Focus on what has changed since the ILR review
 - AMPs that are unchanged over GALL revisions
 - AMPs with minimal changes over GALL revisions
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- Fleetwide programs already reviewed for another ILR/SLR

- Licensee commitments that continue from ILR through SLR

- Routinely inspected programs subject to other regulatory requirements
 - ISI, IWE, IWL, FAC, Fire Protection, App. J, Boric Acid Control
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Graded Approach

Most



Least

Review Resource Model

		Category 1	Category 2	Category 3
Licensee Program Adheres to GALL	Criteria	<ul style="list-style-type: none"> • Unchanged • New w/o Exception • Covered by Reg Program 	<ul style="list-style-type: none"> • Supplemented or Modified • More detailed Further Evaluation 	<ul style="list-style-type: none"> • Plant-specific Exceptions • Significant OE • Substantial Further Evaluation
	Review Scope	<ul style="list-style-type: none"> • Sampling of population • OE/Effectiveness • Consistency 	<ul style="list-style-type: none"> • Confirmatory gap analysis • Enhancement review 	<ul style="list-style-type: none"> • Detailed confirmatory evaluation • Detailed OE review
		Category 4	Category 5	Category 6
Licensee Program Contains Plant-specific Considerations	Criteria	<ul style="list-style-type: none"> • Unchanged 	<ul style="list-style-type: none"> • Supplemented or Modified • More detailed Further Evaluation 	<ul style="list-style-type: none"> • Plant-specific Exceptions • Significant OE • Substantial Further Evaluation
	Review Scope	<ul style="list-style-type: none"> • Sampling of population • OE/Effectiveness • Consistency 	<ul style="list-style-type: none"> • Confirmatory gap analysis • Enhancement review • Plant-specific considerations • Unique program attributes 	<ul style="list-style-type: none"> • Detailed confirmatory evaluation • Detailed OE review

SLR Aging Management Program Reviews

ELECTRICAL	Category 1	Category 2	Category 3
Licensee Program Adheres to GALL	<ul style="list-style-type: none">• X.E1• XI.E1• XI.E2• XI.E4 AMR items with notes A or C	<ul style="list-style-type: none">• XI.E3A• XI.E3B• XI.E3C• XI.E5• XI.E6• AMR items with notes B or D	<ul style="list-style-type: none">• XI.E7• Exceptions• AMR items with notes E or above

SLR Aging Management Program Reviews



STRUCTURAL	Category 1	Category 2	Category 3
Licensee Program Adheres to GALL	<ul style="list-style-type: none"> • XI.S1* • XI.S2 • XI.S4 • XI.S5 • XI.S7 • XI.S8 	<ul style="list-style-type: none"> • XI.S1* • XI.S3 	
Licensee Program Contains Plant-specific Considerations	Category 4	Category 5	Category 6
		<ul style="list-style-type: none"> • X.S1 • XI.S6 	

SLR Aging Management Program Reviews

MECHANICAL	Category 1	Category 2	Category 3
Licensee Program Adheres to GALL	<ul style="list-style-type: none"> • X.M1, X.M2 • XI.M1 – XI.M17 • XI.M19* • XI.M22 - XI.M26 • XI.M31 • XI.M37 • XI.M39 • XI.M40 	<ul style="list-style-type: none"> • XI.M18 • XI.M33 • XI.M36 • XI.M38 • XI.M42 	<ul style="list-style-type: none"> • XI.M19*
	Category 4	Category 5	Category 6
Licensee Program Contains Plant-specific Considerations	<ul style="list-style-type: none"> • XI.M30 	<ul style="list-style-type: none"> • XI.M42 	<ul style="list-style-type: none"> • XI.M41

Leveraging Oversight

- Multiple AMPs have regulatory oversight outside of license renewal
- In addition to LR inspections (IP 71003), the NRC routinely inspects and observes:
 - Flow Accelerated Corrosion
 - Boric Acid Corrosion
 - In-Service Inspections
 - Focused Engineering Inspections
 - ◆ Fire Protection/Fire Water
 - ◆ Age-related Degradation
- Significant overlap in compliance requirements outside of LR (e.g., 10 CFR 50.55a)

Leveraging Oversight

The following list of Mechanical AMPs was identified as an example of programs that have overlap with other regulatory requirements or oversight that should be credited in LR reviews:

- XI.M1
- XI.M3
- XI.M4
- XI.M7
- XI.M8
- XI.M9
- XI.M16A
- XI.M22
- XI.M31
- XI.M37
- XI.M40
- XI.M41

Environmental Review Efficiencies

- Eliminate or reduce the scoping process
- Fully leverage the LR GEIS and initial LR SEISs
- Use exemptions and develop a process for preparing an Environmental Assessment/Finding of No Significant Hazards vice a SEIS
- Utilize the applicant's ER as the DSEIS (or DEA)
- Ensure strict adherence to time and page limits of NEPA as revised by the Fiscal Responsibility Act
- Allow hearings on environmental contentions after the DSEIS is issued

Environmental Review Efficiencies

- Bound the discussion of climate change-related impacts by “rule of reason” and proportionality
- Take lessons learned and process improvements from new reactor licensing proceedings
 - ◆ e.g.; enhanced audits, earlier and better-defined onsite evaluations, increased use of RCIs
- Fully utilize “online and digital technologies” identified by Congress in Section 110 (E-NEPA)
- Expedite a lessons learned review of NRC SLR-related consultations with other federal and state agencies

Feedback and Discussion

Next Steps

- Evaluate exchanged information
- Examine updates or supplements to industry guidance
- Mid-December Public Meeting to focus on prioritization and actionable items
- Continue investigating innovative ideas (e.g., leveraging industry peer reviews, organizational enhancements)