



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

July 6, 2016

MEMORANDUM TO: Steven D. Bloom, Chief  
Subsequent Renewal, Guidance,  
and Operations Branch  
Division of License Renewal  
Office of Nuclear Reactor Regulation

FROM: Heather M. Jones, Project Manager */RA/*  
Subsequent Renewal, Guidance,  
and Operations Branch  
Division of License Renewal  
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SUBJECT: SUMMARY OF THE PUBLIC MEETING TO DISCUSS COMMENTS ON  
THE DRAFT SUBSEQUENT LICENSE RENEWAL GUIDANCE  
DOCUMENTS

On June 1, 2016, the U.S. Nuclear Regulatory Commission (NRC) staff held a Category 3 public meeting to discuss the comments received on the draft subsequent license renewal guidance documents. The meeting summary package is available in the NRC's Agencywide Documents Access and Management System (ADAMS) under Accession No. ML16180A027.

Enclosures:

- 1) Meeting Summary
- 2) Participant List

cc: Reactor License Renewal Stakeholder: GovDelivery

CONTACT: Heather Jones, NRR/DLR  
301-415-4054

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JMarshall, NRR  
SBloom, NRR  
DMorey, NRR

ADAMS ACCESSION No: ML16180A027, (package), ML16188A293 (Slides),  
ML16188A261 (agenda), and ML16160A233 (Meeting summary)

<b>OFFICE</b>	LA:RPB1:DLR	PM:RSRG:DLR	BC:RSRG:DLR
<b>NAME</b>	IBetts	HJones	SBloom
<b>DATE</b>	6/21/16	7/7/16	7/ 7/16

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## Meeting Summary on Subsequent License Renewal Guidance Documents

### Opening Remarks

During the opening remarks, the U.S. Nuclear Regulatory Commission (NRC) managers and staff communicated that the focus of the meeting was to discuss the NRC staff's disposition of the comments received on the draft subsequent license renewal (SLR) guidance documents issued in December 2015, with a public comment period ending on February 29, 2016:

- NUREG-2191, "Generic Aging Lessons Learned for Subsequent License Renewal (GALL-SLR) Report," Volumes 1 and 2 (ADAMS Accession Nos. ML15348A111 and ML15348A153) and
- NUREG-2192, "Standard Review Plan for Review of Subsequent License Renewal Applications for Nuclear Power Plants" (SRP-SLR) (ADAMS Accession No. ML15348A265).

The June 1, 2016, public meeting was the second opportunity, since the public comment period ended, that the NRC staff had to discuss its initial disposition of public comments and the planned updates to the draft SLR guidance documents. The discussion included comments which were accepted, partially accepted, or not accepted.

The participants were informed that the final SLR guidance documents were on schedule to be issued in July 2017 to support the staff's readiness to review an SLR application anticipated to be submitted to the NRC in 2019.

The participants were reminded that the June 1, 2016, public meeting would include a discussion of the noteworthy comments pertaining to the mechanical and electrical aging management programs (AMPs). The discussion was structured to begin with a summary of the submitted comment, followed by the staff's disposition of the comment and the technical basis supporting the disposition, as well as the staff's recommendation for updating the SLR guidance documents.

The meeting participants were provided an opportunity to ask questions or offer comments during the staff's presentations. The meeting participants were informed that additional public meetings would be held in the near future to discuss: 1) outstanding issues or action items from this public meeting; 2) mechanical AMPs that were not discussed during this public meeting; 3) structural AMPs; and 4) electrical AMPs.

The staff reminded the participants that not all comments submitted during the public comment period would be discussed during the public meetings. However, all comments submitted during the public comment period on the draft SLR guidance documents would be dispositioned, and their disposition documented in a technical basis document that would be issued as a NUREG following the issuance of the final SLR guidance documents in 2017.

Below is a list of topics that were discussed:

1. Long-term loss of material; aging management review (AMR) line item changes to address revised air definitions; updates to acceptance criteria and corrective actions program elements for projected degradation; revisions to draft GALL-SLR Report AMPs XI.M36, External Surfaces Monitoring of Mechanical Components, and XI.M38, Inspection of Internal Surfaces, in Miscellaneous Piping and Ducting Components, to address industry comments on surface examinations; and available operating experience associated with inspection results for stainless steel and nickel alloy components exposed to treated water and treated borated water.

Action: The staff agreed to present at a follow-up public meeting: 1) the AMPs that were determined to need modification to include guidance for projecting degradation throughout the subsequent period of extended operation; and 2) additional information that would provide clarity on the term “demonstrated” with respect to evidence that cracks were detected by visual examination.

2. Staff's disposition of most comments on the draft GALL-SLR Report AMP X.M1, Fatigue Monitoring.

Action: The industry agreed to review the disposition of comments presented by the staff on AMP X.M1 and provide feedback at a follow-up public meeting. The staff agreed to present its disposition of the remaining industry comments on AMP X.M1 at a follow-up public meeting.

3. Industry's presentation on operating experience that supports deletion of the draft GALL-SLR Report AMP XI.M5, BWR Feedwater Nozzles.

Action: The staff agreed to reconvene the expert panel to discuss the additional operating experience provided by industry on AMP XI.M5, and present its final disposition of industry's comment at a follow-up public meeting.

4. Industry's presentation on operating experience to support deletion of recommendations from GALL-SLR Report AMP XI.M11B, Cracking of Nickel-Alloy Components and Loss of Material Due to Boric Acid-Induced Corrosion in Reactor Coolant Pressure Boundary Components (Pressurized Water Reactors Only), that qualified volumetric examination methods be performed on the bottom mounted instrumentation (BMI) nozzles, and nickel alloy branch line connections and welds.

Action: The staff agreed to reconvene the expert panel to discuss the additional operating experience provided by industry on AMP XI.M11B, and present its final disposition of industry's comment at a follow-up public meeting.

5. Staff's disposition of comments on draft GALL-SLR Report AMP XI.M31, Reactor Vessel Material Surveillance.

Action: The staff agreed to present its disposition of the comments on AMP XI.M31 at a follow-up public meeting.

6. Staff's disposition of comments on draft GALL-SLR Report AMPs XI.E3B, Electrical Insulation for Inaccessible Instrument and Control Cables not subject to 10 CFR 50.49 EQ Requirements, and XI.E3C, Electrical Insulation for Inaccessible Low Voltage Power Cables not subject to 10 CFR 50.49 EQ Requirements – revised AMPs to be sampling-based AMPs; staff's disposition of comments on draft GALL-SLR Report AMP XI.E6, Electrical Cable Connections – one-time inspections; and staff's disposition of comments on draft GALL-SLR Report AMP X.E1, Electrical Qualification (EQ) of Electric Components – clarifications and alignment of expectations.

Action: The industry agreed to present alternatives to AMPs XI.E3B and XI.E3C at a follow-up public meeting.

7. AMP XI.M18, Bolting Integrity – this AMP was not discussed in detail during the June 1 public meeting, but there was a request to include it as an agenda item for a follow-up public meeting.

Action: The staff agreed to present at a follow-up public meeting on whether AMP XI.M18 would be clarified to state that inspections are recommended on all safety-related and nonsafety-related bolts or a sample of safety-related and nonsafety-related bolts.

#### 8. Public Participation

There were participants present at the public meeting location of the Commission Hearing Room in the One White Flint building of NRC headquarters. There were also participants listening on the bridge line and following the presentations via GoToWebinar.

**Subsequent License Renewal Guidance Documents  
Participant List**

<b><u>PARTICIPANT</u></b>	<b><u>AFFILIATION</u></b>
Jane Marshall	U.S. Nuclear Regulatory Commission (NRC)
Brian Thomas	NRC
Dennis Morey	NRC
Allen Hiser	NRC
Heather Jones	NRC
William Holston	NRC
Jim Medoff	NRC
Carolyn Fairbanks	NRC
Seung Min	NRC
Bennett Brady	NRC
Albert Wong	NRC
Raj Iyengar	NRC
Bernie Litkett	NRC
Chris Hovanec	NRC
Bill Rogers	NRC
Huda Akhavannik	NRC
Amy Hull	NRC
Mike Franklin	Duke Energy
Gary Rhoads	Excel
Ted Ivy	Entergy
John O'rourke	PSEG Nuclear
Albert Piha	Exelon
Mike Burke	Westinghouse
Kathryn Sutton	Morgan Lewis
Steve Routh	Bechtel
Jon Hornbuckle	SNC
Jason Reamer	Nuclear Energy Institute (NEI)
Craig Heah	Dominion
Eric Blocher	Dominion
John Disosway	Dominion
John Hilditch	Exelon
Ken Pigg	Duke Energy
Doug DePriest	Tennessee Valley Authority (TVA)
James Raines	Westinghouse
Andrew Mantey	EPRI
Richard Tilley	EPRI
Jeffrey Head	Enercon