



UNITED STATES  
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August 23, 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  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE PUBLIC MEETING TO DISCUSS COMMENTS ON  
THE DRAFT SUBSEQUENT LICENSE RENEWAL GUIDANCE  
DOCUMENTS

On July 28, 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. ML16218A432.

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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- SBloom, NRR
- DMorey, NRR

ADAMS ACCESSION No: ML16218A432 (package), ML16218A282 (NRC Slides), ML16218A421 (Industry Slides), ML16218A429 (agenda), and ML16218A241 (Meeting summary)

<b>OFFICE</b>	LA:RPB1:DLR	PM:RSRG:DLR	BC:RSRG:DLR
<b>NAME</b>	IBetts	HJones	SBloom
<b>DATE</b>	8/ 11 /16	8/ 23 /16	8/ 23 /16

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## Meeting Summary on Draft Subsequent License Renewal Guidance Documents

July 28, 2016

### Opening Remarks

During the opening remarks, the U.S. Nuclear Regulatory Commission (NRC) managers and staff stated 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 that ended 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 July 28, 2016, public meeting was the fourth opportunity, since the public comment period ended, that the NRC staff had to discuss its disposition of public comments on, and planned updates to, the mechanical sections of 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 2018.

The participants were reminded that the July 28, 2016, public meeting would include a discussion of the noteworthy comments pertaining to the mechanical 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 future public meetings would occur on a quarterly basis between the NRC and the Nuclear Energy Institute (NEI) to discuss topics important to license renewal, including remaining issues and action items related to the SLR guidance documents.

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. The staff presented its disposition of industry's comments on the SLR Supplement. The staff also explained that AMP XI.M18, Bolting Integrity, would be modified to better clarify the purpose and intent of the AMP.

Action: The NRC agreed to review the acceptance criteria program element for all AMPs to clarify what would be accepted as a reasonable level of degradation. The NRC staff also agreed to review AMP XI.M18 to determine whether it is clear in the AMP that 100 percent of all closure bolting is inspected for leakage on an "as practical" or "as accessible" basis.

2. The industry presented their feedback on the proposed definition for the reactor coolant pressure boundary as an additional intended function in SRP-SLR Table 2.1-4(b).

Action: The NRC agreed to review and further consider the industry's comments related to whether the additional definition for reactor coolant pressure boundary is necessary. The industry indicated that they may provide additional information for the NRC staff to consider related to the definition.

3. The staff presented their disposition of industry comments on AMP XI.M31, Reactor Vessel Material Surveillance. Subsequently, industry presented feedback on the staff's disposition of the comments.

There were no additional actions associated with this topic.

4. The staff presented on the final resolution of industry's comment to delete AMP XI.M5, Boiling Water Reactor (BWR) Feedwater Nozzles.

Action: The NRC agreed to evaluate and consider potentially issuing interim staff guidance (ISG) or a generic communication to eliminate the recommendation to fulfill the actions in AMP XI.M5 from all license renewal guidance documents since it is being deleted from the SLR guidance documents.

5. The staff presented on the use of NUREG/CR-6260 locations in AMP X.M1, Fatigue Monitoring, and NUREG/CR-6909 Revisions 0 and 1 in SRP-SLR Section 4.3, Metal Fatigue, for determining the effect of light water reactor (LWR) coolant environments on the fatigue life of reactor materials.

Action: The NRC agreed to consider rewording AMP X.M1 and SRP-SLR Section 4.3 to address the industry's concerns with NUREG/CR-6260 locations and bounding location guidance.

6. The staff presented their final disposition of industry comments GALL-SLR Report Chapter IV, Reactor Vessel, Internals, and Reactor Coolant System, and SRP-SLR Section 3.1, Aging Management of Reactor Vessel, Internals, and Reactor Coolant System.

There were no additional actions associated with this topic.

7. The staff presented its disposition of industry comments on 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) to: 1) provide specific guidance on the qualified method for baseline volumetric examinations; and 2) clarify whether applicants may credit volumetric examinations conducted within 10 years prior to the subsequent period of extended operation.

Action: The NRC agreed to consider rewording AMP XI.M11b to state that volumetric examinations are completed on a sample of the accessible and most susceptible bottom mounted instrumentation (BMI) nozzles.

8. The staff presented on the proposed changes to AMP XI.M16A, Pressurized Water Reactor Vessel Internals and the corresponding further evaluation sections to include a gap analysis.

Action: The industry agreed to provide their feedback on the proposed changes to AMP XI.M16A and the corresponding SRP-SLR sections by August 5, 2016.

9. The industry presented on Electric Power Research Institute (EPRI) Report 3002008128 "Structural Disposition of Neutron Radiation Exposure in BWR Vessel Support Pedestals."

Action: The NRC agreed to review the recently issued EPRI report and consider whether modifications are needed to the further evaluation section on irradiated concrete for BWR reactor pedestal supports.

10. The industry presented on SRP-SLR Table 3.1-1, item 38, relative to the American Society of Mechanical Engineers (ASME) Code Case N-481 for pump casings and the associated flaw tolerance evaluation.

Action: The NRC agreed to review Westinghouse Topical Report WCAP-13045 and WCAP-15555 and consider whether modifications are needed to AMP XI.M12, Thermal Aging Embrittlement of Cast Austenitic Stainless Steel, for Westinghouse pump casings.

11. Public Participation

There were participants present at the public meeting location of the conference rooms in the Three White Flint building of NRC headquarters. There were also participants listening on the bridge line and following the presentations via GoToWebinar.

## Participant List for Public Meeting on Subsequent License Renewal Guidance Documents

July 28, 2016

### **PARTICIPANT**

### **AFFILIATION**

Jane Marshall	U.S. Nuclear Regulatory Commission (NRC)
Ben Beasley	NRC
Steve Bloom	NRC
Allen Hiser	NRC
Bennett Brady	NRC
Heather Jones	NRC
William Holston	NRC
Jim Medoff	NRC
Carolyn Fairbanks	NRC
Seung Min	NRC
Albert Wong	NRC
Amy Hull	NRC
Pat Purtscher	NRC
Michael Breach	NRC
Bob Hardies	NRC
Angela Buford	NRC
Jeff Poehler	NRC
Jana Bergman	Curtiss-Wright
Eric Blocher	Dominion
Charles Tomes	Dominion
Craig Heah	Dominion
Lorri Hekking	Duke Energy
Kyle Amberge	EPRI
Rich Tilley	EPRI
Robin Dyle	EPRI
Steve Swilley	EPRI
Michael Fallin	Enercon
Gary Rhoads	Excel
Albert Piha	Exelon
Steve Franzone	Florida Power and Light Company (FPL)
Jerud Hanson	Nuclear Energy Institute (NEI)
John O'Rourke	Public Service Enterprise Group (PSEG) Nuclear
Jon Hornbuckle	Southern Nuclear Operating Company (SNC)

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