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

July 26, 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 June 23, 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. ML16204A137.

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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ADAMS ACCESSION No: ML16204A137 (package), ML16203A395 (NRC Slides), ML16203A345 (Industry Slides), ML16203A382 (agenda), and ML16176A281 (Meeting summary)

OFFICE	LA:RPB1:DLR	PM:RSRG:DLR	BC:RSRG:DLR
NAME	IBetts	HJones	SBloom
DATE	7/5/16	7/22/16	7/26/16

OFFICIAL RECORD COPY

Meeting Summary on Subsequent License Renewal Guidance Documents

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 June 23, 2016, public meeting was the third 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 2019.

The participants were reminded that the June 23, 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 additional public meetings would be held in the near future to discuss remaining issues and action items.

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 deposition of industry's comment on 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). The comment suggested deleting the baseline volumetric examination on reactor vessel bottom mounted instrumentation (BMI) nozzles.

Action: The staff agreed to consider: 1) providing specific guidance on the qualified method for the baseline volumetric examination; and 2) clarifying whether applicants may credit volumetric examination conducted within 10 years prior to the subsequent period of extended operation. The staff agreed to present its final disposition of the industry's comments on AMP XI.M11B at a follow-up public meeting.

2. The staff discussed the AMPs that were determined to need modifications to include guidance for projecting degradation throughout the subsequent period of extended operation; and the staff provided clarity on the term "demonstrated" for evidence that cracks were detected by visual examination to address comments on AMPs XI.M36, External Surfaces Monitoring of Mechanical Components, and XI.M38, Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components.

Action: The staff agreed to consider incorporating guidance for projecting degradation throughout the subsequent period of extended operation into the monitoring and trending program element versus the acceptance criteria element.

3. The staff presented the addition of a definition for reactor coolant pressure boundary to the SRP-SLR for subsequent license renewal.

There were no actions items associated with this discussion.

4. The staff clarified the intent of AMP XI.M18, Bolting Integrity, to perform visual and ultrasonic testing on a sample of safety-related and nonsafety-related bolts, and leakage testing on 100 percent of the safety-related and nonsafety-related bolts.

There were no actions items associated with this discussion.

5. The staff presented its initial disposition of industry comments on SRP-SLR Section 4.2, Reactor Pressure Vessel Neutron Embrittlement Analysis.

There were no actions items associated with this discussion.

6. The staff presented its initial disposition of industry comments on cross-cutting issues related to SRP-SLR Sections 1.1.5, 2.1.5, 2.2.5, 2.3.5, 2.4.5, 2.5.5, 3.1.5, 3.2.5, 3.3.5, 3.4.5, 3.5.5, 3.6.5, 4.1.5, 4.2.5, 4.3.5, 4.4.5, 4.5.5, 4.6.5, 4.7.5.

There were no actions items associated with this discussion.

7. The staff presented its initial disposition of industry comments on GALL-SLR Chapter 4, Reactor Vessel, Internals, and Reactor Coolant System and SRP-SLR Section 3.1, Aging Management of Reactor Vessel, Internals, and Reactor Coolant System.

Action: The industry agreed to consider updating flaw tolerances and review additional examinations per

Code Case N481 for the pump casings.

8. The staff presented its final disposition to delete AMP XI.M5, Boiling Water Reactor (BWR) Feedwater Nozzles from the GALL-SLR Report.

There were no actions items associated with this discussion.

9. The staff presented its disposition of the remaining comments on AMP X.M1, Fatigue Monitoring.

Action: The staff agreed to reconvene the expert panel to discuss deemphasizing the requirements for NUREG/CR6260 and revisit wording on the AMP X.M1 and the associated time-limited aging analysis related to bounding locations.

10. The industry provided comments on the staff's disposition of AMP X.M1, Fatigue Monitoring.

Action: The staff agreed to reconvene to panel to consider revising wording in the parameters monitored or inspected element as recommended by industry to state:

> The program monitors all applicable plant transients that cause cyclic strains and could potentially cause fatigue parameters limits to be exceeded, as specified in the fatigue analysis, and monitors or validates appropriate environmental parameters that contribute to F_{en} values.

11. The staff presented its disposition of the comments on AMP XI.M31, Reactor Vessel Material Surveillance.

Action: The industry agreed to determine the source of the following comment, so that clarification can be provided:

> By design, the surveillance capsule dosimetry is withdrawn infrequently. Periodic measurements will help to confirm continued accuracy of the neutron fluence calculations. ASTM E29564-146 (Standard Guide for Monitoring the Neutron Exposure of LWR RPVs) [incorrectly identified in the NRC staff slide as "E2954-16"] should be referenced. Recommend a statement be added regarding periodic monitoring.

The staff agreed to consider the additional information obtained from the meeting when dispositioning the remaining comments on AMP XI.M31.

12. 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

PARTICIPANT	AFFILIATION
Jane Marshall	U.S. Nuclear Regulatory Commission (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
Bernie Litkett	NRC
Amy Hull	NRC
Steve Bloom	NRC
Araceli Billoch	NRC
Rob Tregoning	NRC
Roger Kalikian	NRC
Bart Fu	NRC
Mike Franklin	Duke Energy
Gary Rhoads	Excel
Ted Ivy	Entergy
Jana Bergman	Curtiss-Wright
Albert Piha	Exelon
Jon Hornbuckle	SNC
John O'Rourke	PSEG Nuclear
Michael Fallin	Enercon
John Daily	Dominion
Jerud Hanson	Nuclear Energy Institute (NEI)
Paul Aitken	Dominion
Kathryn Sutton	Morgan Lewis
Craig Heah	Dominion
Eric Blocher	Dominion

ENCLOSURE 2