



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

April 20, 2015

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

FROM: William Burton, Senior Project Manager */RA/*  
Subsequent Renewal, Guidance,  
and Operations Branch  
Division of License Renewal  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE MEETING BETWEEN THE U.S. NUCLEAR  
REGULATORY COMMISSION STAFF AND THE NUCLEAR  
ENERGY INSTITUTE TO DISCUSS PROPOSED CHANGES TO  
STRUCTURES AND STRUCTURAL COMPONENTS IN  
PREPARATION FOR SUBSEQUENT LICENSE RENEWAL

On April 8, 2015, the Division of License Renewal in the NRC's Office of Nuclear Reactor Regulation hosted a meeting between the NRC staff and representatives of the Nuclear Energy Institute and individual licensees. The purpose of the meeting was to discuss the proposed changes to Revision 2 of NUREG-1800, "Standard Review Plan for Review of License Renewal Applications for Nuclear Power Plants" (SRP) and Revision 2 of NUREG-1801, "Generic Aging Lessons Learned Report" (GALL). The staff is making revisions to these key guidance documents in preparation for the possible submittal of applications requesting extension of licenses to allow operation of nuclear power plants from 60-80 years.

The list of attendees is provided in Enclosure 1. The agenda and slide presentation is provided in Enclosure 2.

A summary of the meeting discussion follows:

The staff discussed proposed changes to the following aging management programs (AMPs) and time-limited aging analyses (TLAAs):

X.S1: Concrete Containment Tendon Prestress  
XI.S1: ASME Section XI, Subsection IWE  
XI.S2: ASME Section XI, Subsection IWL  
XI.S3: ASME Section XI, Subsection IWF  
XI.S4: 10 CFR Part 50, Appendix J  
SI.S5: Masonry Walls

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XI.S6:	Structures Monitoring
XI.S7:	Inspection of Water-Control Structures Associated with Nuclear Power Plants
XI.S8:	Protective Coating Monitoring and Maintenance
TLAA 4.5:	Concrete Tendon Prestress
TLAA 4.6:	Metal Containment, Liner Plate, and Penetrations Fatigue Analysis

In addition, the staff discussed the need for two plant-specific AMPs to address management of aggregate reactivity and irradiation of concrete during plant operation from 60-80 years.

The staff explained the key issues that determined revisions to the AMPs and TLAAs, including incorporation of previous Interim Staff Guidance, correction of errors or needed clarifications in the previous GALL and SRP, addition of new operating experience and industry guidance and standards, and additional guidance needed to ensure adequate management of aging effects in the 60-80 year operating period.

The staff also discussed generic changes to the GALL and SRP, such as standardizing the language in Elements 7 (Corrective Actions), 8 (Confirmation Process) and 9 (Administrative Controls); adding a new SRP Chapter 5 on changes to technical specifications; renaming GALL Chapter X to clarify that the AMPs in this chapter can be used to manage aging effects under 10 CFR 54.21(C)(1)(iii); and the need for more detailed summary descriptions for several AMPs.

The staff then provided an overview of the proposed changes for each AMP and TLAA related to nuclear plant structures and structural components within the scope of license renewal. The staff clarified that the proposed changes discussed during the meeting had not been approved by NRC management and therefore are subject to change. Attendees were able to ask questions and provide feedback on the proposed revisions, which the staff will consider in the further development in preparation of the final versions of the GALL and SRP.

The U.S. Nuclear Regulatory Commission (NRC) staff and representatives of the Nuclear Energy Institute (NEI) met on March 13, 2015, to discuss various topics on license renewal. Enclosure 1 is a list of the meeting participants.

A summary of the meetings discussion follows:

Enclosures:

1. Attendance List
2. Presentation Slides

cc w/encl: listserv

XI.S6: Structures Monitoring  
 XI.S7: Inspection of Water-Control Structures Associated with Nuclear Power Plants  
 XI.S8: Protective Coating Monitoring and Maintenance  
 TLAA 4.5: Concrete Tendon Prestress  
 TLAA 4.6: Metal Containment, Liner Plate, and Penetrations Fatigue Analysis

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\*Concurred via e-mail

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NAME	IBetts*	WBurton	SBloom		
DATE	4/15/15	4/20/15	4/20/15		

**OFFICIAL RECORD COPY**

**LIST OF ATTENDEES**

**MEETING BETWEEN NRC AND NEI  
PROPOSED REVISIONS TO STRUCTURAL AMPS AND TLAAS TO SUPPORT SLR  
April 8, 2015**

<b>PARTICIPANT</b>	<b>AFFILIATION</b>
Billoch, Araceli	NRC
Bloom, Steven	NRC
Brady, Bennett	NRC
Burke, John	NRC
Burton, William	NRC
Istar, Ata	NRC
Kazi, Abdul	NRC
Litkett, Bernard	NRC
Marshall, Michael	NRC
Miller, Chris	NRC
Pettis, Robert	NRC
Prinaris, Andrew	NRC
Rogers, Billy	NRC
Sircar, Madhumita	NRC
Thomas, Brian	NRC
Thomas, George	NRC
Virdi, Pradeep	NRC
Remer, Jason	NEI
Aitken, Paul	Dominion
Franklin, Michael	Duke Energy
Lindberg, John	EPRI
Tilley, Richard	EPRI
Annett, James	Exelon
Clohecy, David	Exelon
Fulvio, Al	Exelon
Bruck, Paul	LPI, Inc.
Elaidi, Bahaa	LPI, Inc.
Simons, John	MPR Associates
Hornbuckle, Jon	Southern Nuclear
Ghosal, Partha	TVA
Other Attendees	Via Phone