



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

June 30, 2015

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

FROM: Bennett Brady, 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
THE AGING MANAGEMENT PROGRAMS FOR MECHANICAL
COMPONENTS IN PREPARATION FOR SUBSEQUENT LICENSE
RENEWAL

On May 7, 2015, the Division of License Renewal in the Nuclear Regulatory Commission's (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-LR), and Revision 2 of NUREG-1801, "Generic Aging Lessons Learned (GALL) Report." 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 to 80 years.

The list of attendees is provided in Enclosure 1. The agenda and slide presentation is available in the NRC's Agencywide Documents Access and Management System (ADAMS), under Accession Number ML15148A468.

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):

GALL XI.M6	BWR Control Rod Drive Return Line Nozzle
GALL XI.M16A	PWR Vessel Internals, replace with a further evaluation

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GALL X.M1	Cyclic Load Monitoring (formerly Fatigue Monitoring)
GALL XI.M31	Reactor Vessel Material Surveillance
GALL X.M2	Neutron Fluence Monitoring
SRP 4.1	Identification of Time-Limited Aging Analyses and Exemptions
SRP 4.2	Reactor Vessel Neutron Embrittlement Analyses
SRP 4.3	Metal Fatigue
GALL XI.M11B	Cracking of Nickel Alloy Components and Loss of Material Due to Boric Acid-Induced Corrosion in Reactor Coolant Pressure Boundary Components
GALL XI.M41	Buried and Underground Piping and Tanks
GALL XI.M9	BWR Vessel Internals
GALL XI.M32	One-Time Inspection
GALL XI.M33	Selective Leaching
GALL XI.M27	Fire Water System

All AMPs in the GALL Report are described in terms of 10 elements. For each of the AMPs discussed at the meeting, the staff explained the significant changes to these programs in terms of the changes to these 10 GALL elements.

In addition, the staff discussed the need for three new plant-specific AMPs or further evaluations to address aging management of components made of polyvinyl chloride exposed to outdoor air, cracking due to stress corrosion cracking in underground stainless steel components exposed to raw water in-leakage, and cracking due to stress corrosion cracking of aluminum alloy components exposed to potentially aggressive environments.

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 that the staff will consider in the further development in preparation of the final versions of the GALL and SRP for subsequent license renewal.

The staff anticipates discussing additional mechanical AMPs at a public meeting on June 11, 2015, and at a public teleconference to discuss proposed changes to the format of the tables of components and structures in the license renewal guidance documents.

Enclosure:
Attendance List

cc w/encl: Reactor License Renewal Stakeholder Group Listserv

GALL X.M1	Cyclic Load Monitoring (formerly Fatigue Monitoring)
GALL XI.M31	Reactor Vessel Material Surveillance
GALL X.M2	Neutron Fluence Monitoring
SRP 4.1	Identification of Time-Limited Aging Analyses and Exemptions
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Enclosure:
Attendance List

cc w/encl: Reactor License Renewal Stakeholder Group Listserv
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ADAMS Accession Nos.: ML15159A542 (Package) ML15159A533 (Memo)
ML15148A468 (Slides) *Concurred via e-mail

OFC	DLR/RPB2*	DLR/RSRG	DLR/RSRG
NAME	SWoods	BBrady	SBloom
DATE	6/17/15	6/25/15	6/30/15

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Memorandum to Steven D. Bloom from Bennett M. Brady dated June 30, 2015

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**MEETING BETWEEN THE NUCLEAR REGULATORY COMMISSION AND
THE NUCLEAR ENERGY INSTITUTE TO DISCUSS PROPOSED REVISIONS
TO STRUCTURAL AGING MANAGEMENT PROGRAMS AND TIME-LIMITED
AGING ANALYSIS TO SUPPORT SUBSEQUENT LICENSE RENEWAL**

LIST OF ATTENDEES

May 7, 2015

PARTICIPANT	AFFILIATION
Billoch, Araceli	U.S. Nuclear Regulatory Commission (NRC)
Bloom, Steven	NRC
Brady, Bennett	NRC
Burton, William	NRC
Daily, John	NRC
Fairbanks, Caroline	NRC
Fu, Bart	NRC
Hardgrove, Matt	NRC
Holston, Bill	NRC
Hiser, Allen	NRC
Hovanec, Chris	NRC
Hull, Amy	NRC
Kazi, Abdul	NRC
Litkett, Bernard	NRC
Marshall, Jane	NRC
Miller, Chris	NRC
Min, Seung	NRC
Poehler, Jeff	NRC
Thomas, Brian	NRC
Virdi, Pradeep	NRC, foreign assignee
Aitken, Paul	Dominion
Blocher, Eric	STARS Alliance
Devan, Matt	AREVA
Franklin, Michael	Duke Energy
Gerber, Dave	Structural Integrity Associates
Hanson, Jerud	NEI
Hermann, Terry	Structural Integrity Ass.
Hornbuckle, Jon	Southern Nuclear
Luchsinger, Deb	Enercon
McFarlin, Mitch	AREVA
Melten, Mike	Enercon
Piha, Albert	Exelon
Rafferty-Czincila, Sharon	Exelon
Remer, Jason	NEI
Tilley, Richard	EPRI
Whitaker, David	Duke Energy
Other Attendees	Via Phone

ENCLOSURE