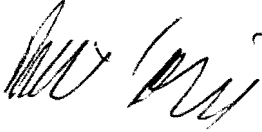




UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

December 13, 2010

MEMORANDUM TO: Jay E. Robinson, Chief
Program Operations Branch
Division of License Renewal
Office of Nuclear Reactor Regulation

FROM: Matthew J. Homiack, General Engineer
Program 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 CURRENT LICENSE
RENEWAL TOPICS

The U.S. Nuclear Regulatory Commission (NRC) staff and representatives of the Nuclear Energy Institute (NEI) met on November 17, 2010, to discuss current license renewal topics. Enclosed are a list of the meeting participants and the agenda. The NRC staff's slide presentation for the meeting is available in the NRC's Agencywide Documents Access and Management System under Accession No. ML103260588. A summary of the meeting's discussions follows.

1. Status Update on Issuance of NUREG-1801, "Generic Aging Lessons Learned (GALL) Report," Revision 2

The NRC staff discussed the current status of the license renewal guidance document updates and indicated that the necessary reviews and concurrences are proceeding. The NRC staff mentioned that it recently had sub- and full-committee meetings with the Advisory Committee on Reactor Safeguards (ACRS) and has made a few changes to the GALL Report based on the ACRS' comments. The NRC staff also informed the NEI representatives of its plans to issue the revised NUREG-1800, "Standard Review Plan for Review of License Renewal Applications for Nuclear Power Plants" (SRP-LR) and GALL Report before the end of the calendar year, with planned issuance of the companion technical bases and public comment disposition report by February 2011. The NEI representatives requested and the NRC staff agreed to make available a track change file of the near-final GALL Report and SRP-LR documents prior to their formal issuance.

2. Clarifications of Staff Position on Volumetric Examination of Socket Welds

The NRC staff provided a clarification of its position on volumetric examination of socket welds, including use of Materials Reliability Program 146, "Management of Thermal Fatigue in Normally Stagnant Non-Isolable Reactor Coolant System Branch Lines." The NRC staff also clarified that it plans to make no changes to the aging management program (AMP) in GALL Report Section XI.M35, "One-Time Inspection of ASME Code Class 1 Small-Bore Piping," regarding the scope of piping addressed in this AMP.

3. License Renewal Applicant Identification and Disposition of Time-Limited Aging Analyses (TLAAs)

As a follow-up to the presentation at its August 25, 2010, meeting with the NEI, the NRC staff provided more details on recent issues concerning TLAAs. The NRC staff explained that some of these issues are on consistency with the plant's current licensing basis. The NEI representatives commented that recently applicants have had to perform additional work to address the NRC staff's questions concerning TLAAs and, as such, the industry would benefit from a fuller understanding of these issues. The NEI representatives suggested a meeting in January 2011 between the NRC staff and industry TLAAs experts. The NRC staff agreed to schedule such a meeting.

4. Issues Concerning Steam Generator Divider Plates and Tube-to-Tubesheet Welds

The NEI representatives stated their position that operating experience does not support the staff's position on cracking of steam generator divider plates and tube-to-tubesheet welds. The NRC staff stated that foreign operating experience supports its position that there is an aging effect on these components, as with all Alloy 600 components, and that cracking could begin after as little as 20 years of operation. The NRC staff cited a lack of domestic inspection experience that could identify cracking and explained that inspections in the period of extended operation are needed to generate data on the number and depth of cracks. In addition, the NRC staff indicated that current license renewal applicants are providing acceptable commitments to inspect for such cracking. In response, the NEI representatives commented that a suitable inspection method does not currently exist. The NEI representatives also stated that, for efficiency, this issue should be addressed generically, possibly through research in the industry's steam generator community. The NEI representatives also suggested that data could be provided to the NRC staff from the industry's current steam generator inspection activities.

5. International Atomic Energy Agency's Integrated Regulatory Review Service (IRRS) and Periodic Safety Reviews (PSRs)

The NRC staff provided some details on the recently-completed International Atomic Energy Agency's IRRS Mission to the United States. One focus of the IRRS team's review was on PSRs, and the NRC staff explained that operators in other countries take ownership of the PSR to further the safety of their plants. The NRC staff also stated that it is considering how PSRs from other countries could better inform the NRC's Operating Experience Program and Generic Issues Program. In addition, the NRC staff stated that the IRRS team's report is expected to be published in March 2011.

6. Commission Briefing on Reactor Materials Issues Including Issues Related to License Renewal

The NRC staff informed the NEI representatives of an upcoming Commission briefing on reactor materials issues, which will also include discussion on some areas related to license renewal, such as subsequent license renewals and GALL Report, Revision 2. The NRC staff clarified that this briefing could cover any materials used in nuclear power plants and that it would likely be held in March 2011, not in February 2011 as indicated on the slide presentation.

7. Draft Agenda for the 2011 Regulatory Information Conference (RIC)

The NRC staff presented a draft agenda for the license renewal sessions at the RIC in March 2011. The NRC staff stated that two 90-minute sessions are planned: one on license renewal today and the other on potential subsequent license renewals. Further details will be posted on the NRC's RIC public Web site as they become available.

8. Generic Communication on Issuance of GALL Report, Revision 2

The NRC staff stated its plans to issue a generic communication on some of the more-significant changes to the GALL Report. The NRC staff stated that the type of generic communication would either be a Regulatory Issue Summary or an Information Notice, and that it would be primarily directed towards renewed license holders.

9. Schedule for 2011 License Renewal Meetings

The NRC staff provided the planned schedule of license renewal meetings between the NRC staff and the NEI in 2011. These meetings are planned for April, August, and November 2011 and will also include the RIC sessions in March 2011.

10. New Topics

a. Review Schedules

The NRC staff discussed some issues concerning license renewal application review schedules. The NRC staff stated that some environmental review schedules have been lengthened due to extensive public comments and NRC contractor issues. The NRC staff also stated that it is also reviewing applications for completeness to make sure that certain issues identified in GALL Report, Revision 2 are being appropriately addressed. Regarding this completeness review, the NEI representatives stated a concern regarding possible impacts on review schedules. In addition, the NRC staff explained its approach to integrated project scheduling, which takes a systematic look at all the review schedules and the impacts that one project schedule may have on the others.

11. Public Participation

No member of the public attended the meeting.

Enclosures:

As stated

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**Meeting between the U.S. Nuclear Regulatory Commission (NRC) Staff
and the Nuclear Energy Institute (NEI)
to Discuss Current License Renewal Topics**

PARTICIPANT LIST

November 17, 2010

PARTICIPANTS	AFFILIATION
Donnie Ashley	NRC
Al Fulvio	Exelon
Mike Heath	Progress Energy
Massoud Tafazzoli	Areva
Tony Harris	STARS
Jim Rootes	Xcel Energy
Ken Taplett	STPNOC
Jon Hornbuckle	Southern Nuclear
Dave Bremer	NPPD – Cooper
Eric Blocher	STARS
Bill Victor	NPPD
Rick Buckley	Entergy
Loyd Wright	SCE
Dave Gerber	Structural Integrity Assoc.
Arden Aldridge	STPNOC
Ted Ivy	Entergy
Cliff Custer	FENOC
Tom Dong	DTE Energy
Paul Aitken	Dominion
Jerry Dozier	NRC
John Daily	NRC
Julie Keys	NEI
James Medoff	NRC
Jay Robinson	NRC
Kathryn Sutton	Morgan Lewis
Kim Green	NRC
Ching Ng	NRC
Raj Auluck	NRC
Duc Nguyen	NRC
Reza Ahrabli	Entergy
Matthew Homiack	NRC
Sang Rhow	NRC
Alan Cox	Entergy
Garry G. Young	Entergy
Bart Fu	NRC
Allen Hiser	NRC
Rick Cliche	NEXTERA – Seabrook

PARTICIPANTS	AFFILIATION
Bennett Brady	NRC
Briana Balsam	NRC
Bob Gramm	NRC
Barbara Baron	Westinghouse
Abbas Mostala	Energy Northwest
Brian Holian	NRC
Melanie Galloway	NRC
Jim Riley*	NEI
David Drucker*	NRC
Sharon Murciel*	
Angie Krainik*	Palo Verde
Rachel Vaucher*	NRC

* Participated by teleconference

**Meeting between the U.S. Nuclear Regulatory Commission (NRC) Staff
and the Nuclear Energy Institute (NEI)
to Discuss Current License Renewal Topics**

AGENDA

**November 17, 2010
1:00 to 3:00 p.m.**

**NRC Headquarters
One White Flint North
Commissioner's Conference Room (O1-F16 / O1-G16)**

Agenda Item	Lead
1. Introduction and Opening Remarks	NRC
2. Status Update on Issuance of NUREG-1801, "Generic Aging Lessons Learned (GALL) Report," Revision 2	NRC
3. Clarifications of Staff Position on Volumetric Examination of Socket Welds	NRC
4. License Renewal Applicant Identification and Disposition of Time-Limited Aging Analyses	NRC
5. Issues Concerning Steam Generator Divider Plates and Tube-to-Tubesheet Welds	NEI
6. International Atomic Energy Agency's Integrated Regulatory Review Service and Periodic Safety Reviews	NRC
7. Commission Briefing on Reactor Materials Issues Including Issues Related to License Renewal	NRC
8. Draft Agenda for the 2011 Regulatory Information Conference	NRC
9. Generic Communication on Issuance of GALL Report, Revision 2	NRC
10. Schedule for 2011 License Renewal Meetings	NRC/NEI
11. New Topics	NRC/NEI
12. Public Participation and Adjourn	All

ENCLOSURE 2

11. Public Participation

No member of the public attended the meeting.

Enclosures:
As stated

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See next page

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NAME	IKing	MHomiack	JRobinson	MHomiack
DATE	12/6/10	12/09/10	12/13/10	12/13/10

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Memorandum to Jay Robinson from Matthew Homiack, dated December 13, 2010.

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INSTITUTE TO DISCUSS CURRENT LICENSE RENEWAL TOPICS

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