



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

March 25, 2016

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

FROM: Evelyn Gettys, Project Manager
Subsequent Renewal, Guidance,
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SUBJECT: SUMMARY OF THE QUARTERLY MEETING BETWEEN THE U.S.
NUCLEAR REGULATORY COMMISSION STAFF AND THE
NUCLEAR ENERGY INSTITUTE TO DISCUSS CURRENT LICENSE
AND SUBSEQUENT LICENSE RENEWAL TOPICS

The U.S. Nuclear Regulatory Commission (NRC) staff and representatives of the Nuclear Energy Institute (NEI) met on March 11, 2016, to discuss various topics on license and subsequent license renewal (SLR). The meeting summary package is available in the NRC's Agencywide Documents Access and Management System (ADAMS) under Accession No. ML16083A131.

A summary of the meetings discussion follows:

1. Opening Remarks

The NRC staff, in their opening remarks, discussed several issues related to the license and SLR issues. With respect to safety reviews issues, topics included the Advisory Committee on Reactor Safeguards (ACRS) meetings related to the SLR guidance documents and Fermi 2 Safety Evaluation Review with Open Items. The staff completed the safety review for Davis Bessie Nuclear Power Station, and Bryon and Braidwood Nuclear Stations for additional twenty years. The NRC received a letter of intent announcing that Surry Power Station will be coming in for SLR.

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2. Action Items from Previous Meeting

The staff presented action items from the September 2015 meeting. For the complete list see ADAMS Accession No. ML16074A062.

3. Research Collaboration with Department of Energy/Light Water Reactor Sustainability

The staff has established several Memoranda of Understanding (MOU) with several agencies including the Department of Energy, Light Water Reactor Sustainability, and the Electric Power Research Institute. The MOU will help with the exchange of research information needed for SLR. There is a mutual goal to identify all the technical issues before the first plants go into the subsequent period of extended operation. Several deep dive meetings have been held with positive results in resolving technical issues facing SLR.

4. Update on the Revisions to the "Air" Definitions

The staff has completed its initial review of the industry's comments on consolidating the air definitions and determined that no significant roadblocks have been noted. The staff is working on specific changes to definitions, aging management review line items, and aging management program (AMP) XI.M24 in the Generic Ageing Lessons Learned (GALL)-SLR.

5. Update on International License Renewal Issues

The staff gave an overview of the NRC's involvement and support of the International Atomic Energy Agency's International GALL project. This overview included comparisons of the periodic safety review, favored by many countries, versus the license renewal method that the U.S. uses. The staff stressed that the U.S. license renewal process is a limited-scope review that focuses on aging management of passive, long-lived systems, structures, and components, and this process should not be taken as a stand-alone process without the additional programs and practices that the U.S. has in place, which includes the Reactor Oversight Program, Maintenance Rule, 10 CFR Part 50, etc.

6. Update on Activities Related to the Review of MRP-227 Issues

The staff is currently reviewing the public comments submitted for the draft GALL-SLR Report specific to AMP XI.M16A, "PWR Vessel Internals." The NRC would like to schedule a public meeting with the industry to further discuss how they plan to address the technical aspects of the issue. The industry would prefer the public meeting take place in late April, or early May 2016. The staff will take action to schedule a public meeting for that time frame.

7. Update on Industry Documents to Support SLR, Timetable for Development NEI-95-10 and RG 1.188

The industry discussed the status of the documents to support SLR and the lead plants. It was stated that twenty-six documents were identified as possibly being impacted by SLR, however, not all of these documents will need to be updated for the lead plants. It was indicated that some updating of the documents for enhancements, clarifications, inspections results, operating

experience and continuing research was being considered. The documents that will assist the lead plants will be given top priority. The document, NEI-95-10, will not be revised for SLR instead an evolutionary document will be developed to address topics for SLR.

8. Discussion on the Proposed Site Visits for 2016 Future Trips

The staff and NEI discussed site visits to the Pittsburgh facility, the AREVA and the Pacific Northwest National Laboratory. The purpose of these trips is to observe the testing that is supporting the research for the SLR project.

9. Regulatory Process for SLR

The staff discussed the regulatory process for SLR and encouraged the industry to submit letters of intent on SLR. The staff also expressed their appreciation for the comments on the recent draft guidance documents.

10. New Topics

There will be a GALL-SLR Supplement issued in March 2016. The supplement will cover various topic including selective leaching, intergranular stress corrosion cracking, nickel alloy and AMP XI.M29.

The NRC is planning to issue an Interim Staff Guidance on steam generators.

11. Action Items for Next Meeting

- a. NRC to schedule meetings on:
 - I. SLR supplement
 - II. MRP-227
 - III. Steam generators
- b. NRC to revise SLR website with detailed SLR schedule.
- c. NEI to provide to NRC with a list of industry guidance that is referenced in the GALL that will be revised for the subsequent license renewal application (SLRA), along with an estimated completion date for revision, if that guidance is being used to base a conclusion of acceptability. The staff needs this information before the SLRA comes to NRC for review, if the review is to be timely.
- d. NEI will provide feedback to the NRC staff on its preference on whether the link of GALL, Rev 0 line numbers to the GALL-SLR line numbers need to be shown in an SLR Excel spreadsheet (GALL master), in addition to being shown in the SRP-SLR appendix.

S. Bloom

- 4 -

12. Public Participation

No one from the public participated.

Enclosure:
Participation List

cc: Reactor License Renewal Stakeholder: GovDelivery

S. Bloom

- 4 -

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No one from the public participated.

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ADAMS ACCESSION No: **ML16083A131 (package), ML16074A062 (AI Slides), ML16074A089 (IGALL), ML16074A111 (agenda), and ML16076A159 (Meeting summary)**

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**Meeting between the U.S. Nuclear Regulatory Commission Staff and the
Nuclear Energy Institute to Discuss License Renewal Topics**

**March 11, 2016
Participants List**

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