



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

February 28, 2018

MEMORANDUM TO: Dennis C. Morey, Chief  
Licensing Processes Branch  
Division of Licensing Projects  
Office of Nuclear Reactor Regulation

FROM: Joseph J. Holonich, Senior Project Manager **/RA/**  
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SUBJECT: SUMMARY OF FEBRUARY 13, 2018 - FEBRUARY 15, 2018, MEETING  
BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION STAFF  
AND THE INDUSTRY TO DISCUSS MRP-175, REVISION 1, MRP-211,  
REVISION 1 AND THE REQUESTS FOR ADDITIONAL INFORMATION  
ON MRP-227, REVISION 1

On February 13, 2018 - February 15, 2018, U.S. Nuclear Regulatory Commission (NRC) staff met with industry representatives. The purpose of the meetings was to discuss "Materials Reliability Program: PWR [Pressurized Water Reactor] Internals Material Aging Degradation Mechanism Screening and Threshold Values" (MRP-175, Revision 1). EPRI [Electric Power Research Institute], Palo Alto, CA: 2017. 3002010268"; "Materials Reliability Program: PWR Internals Age-Related Material Properties, Degradation Mechanisms, Models, and Basis Data--State of Knowledge" (MRP-211, Revision 1). EPRI, Palo Alto, CA: 2017. 3002010270"; and the Requests for Additional Information (RAIs) on MRP-227, Revision 1, "Materials Reliability Program: Pressurized Water Reactor Internals Inspection and Evaluations Guideline."

All information that the NRC staff has that is related to the meetings and discussed in this summary can be found in the Agencywide Documents Access and Management System package accession numbers ML17304A001.

On February 13, 2018, the discussions centered on MRP-211, Revision 1 and MRP-175, Revision 1 was discussed on February 14, 2018. During both days of interactions, the NRC staff and industry engaged in questions and answers to provide better insights into the technical information in the reports.

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During the discussions, industry was asked when MRP-228, "Materials Reliability Program: Inspection Standard for PWR Internals," would next be updated. Industry responded that a revision should be published in the next couple of months. Another question was whether WCAP-17096-NP, "Reactor Internals Acceptance Criteria Methodology and Data Requirements," was scheduled for update. The response was that a revision would be issued in this year but a revision for subsequent license renewal (SLR) would be in a couple of years.

Two other industry reports covered in the question and answer discussions were preparation of revisions to "Materials Reliability Program: Screening, Categorization, and Ranking of B&W [Babcock and Wilcox] Designed PWR Internals Component Items (MRP-189-Rev. 1)" and "Materials Reliability Program: Screening, Categorization, and Ranking of Reactor Internals Components for Westinghouse and Combustion Engineering PWR Design (MRP-191)." Industry expressed a willingness to hold a similar meeting on MRP-189, Revision 1 and MRP-191 in approximately November 2018. An action from the meeting was for the NRC staff and industry to schedule a November 2018 meeting.

Also discussed was the application of MRP-227, Revision 2. The NRC staff asked how MRP-227, Revision 2 would be used and referenced. In particular, was MRP-227, Revision 2 going to be limited to just plants seeking SLR or all plants. Industry stated that MRP-227, Revision 2 would be referenced by all plants, those going from 40 to 60 year licenses and those in SLR going from 60 to 80 years.

A comment offered by a participating stakeholder expressed concern that the process was making it easier for plants to be licensed for SLR. Also, the stakeholder said he was worried that problems that could arise in an SLR were not being as rigorously considered.

On February 15, 2018, the meeting focused on several RAIs related to the ongoing NRC staff review of MRP-227, Revision 1. Again, NRC staff and industry engaged in a number of clarifying questions and answers. As a result of the discussions and information presented by industry, the NRC staff took an action to identify areas from the February 15, 2018, presentation where industry needed to docket the information so it could be used in the NRC staff evaluation of MRP-227, Revision 1. This was an action from the meeting.

In closing the meeting, the NRC staff explained that the February 15, 2018, discussions were focused on some but not all of the RAIs for MRP-227, Revision 1. The NRC staff explained that it was evaluating all of the RAI responses to see if they addressed the NRC staff concerns. Also, the NRC staff stated that it might need a conference call to get clarification on some responses. These calls, because they would clarify already docketed material, did not need to be formally noticed.

Actions from the meetings included: 1) NRC staff and industry to schedule a November 2018 meeting; and 2) NRC staff to identify areas from the February 15, 2018 presentation where additional, detailed information needs to be docketed.

D. Morey

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