

May 11, 2015

MEMORANDUM TO: Anthony J. Mendiola, Chief  
Licensing Processes Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

FROM: Joseph J. Holonich, Senior Project Manager /RA/  
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Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF MARCH 25, 2015, MEETING WITH WESTINGHOUSE  
ELECTRIC COMPANY ON PEENING ACTIVITIES

On March 25, 2015, staff from the U.S. Nuclear Regulatory Commission (NRC) met with representatives from Westinghouse Electric Company (WEC). The purpose of the meeting was to discuss WEC peening activities as they relate to Material Reliability Program (MRP)-335, Revision 1, "Topical Report for Primary Water Stress Corrosion Cracking Mitigation by Surface Stress Improvement." Publicly available meeting information can be found in the Agencywide Documents Access and Management System (ADAMS) package for the meeting at ADAMS Accession No. ML15050A016.

In its introductory remarks, the NRC staff provided background on how the peening activities of WEC related to the ongoing review of MRP-335. The NRC staff explained that MRP-335 provided an input in the form of certain variables for peening and advocates that if those variables were met, a relief request to the American Society of Mechanical Engineers (ASME) pressure and vessel code inspection frequencies could be obtained.

The NRC staff continued that this meeting was outside of the scope of the MRP-335 review. It noted that the discussions at this meeting helped the NRC staff understand what licensees could do to peen. If a licensee filed a relief request, then the peening methods discussed at this meeting could be one approach used.

WEC representatives outlined factors related to the peening process in their opening remarks. In particular, they identified four questions that had been considered. These were:

- 1) How do you control the process?
- 2) What are the essential variables?
- 3) How do you determine the values of the essential variables?
- 4) What happens when you violate essential variables?

Questions from the NRC staff and answers by WEC were informative in nature. No regulatory positions were taken or commitments made as a result of the presentation and questions.

One area of discussion concerned if peening could be done under Title 10 of the Code of Federal Regulations (10 CFR) 50.59. The NRC staff stated that licensees needed to conduct the analysis required by 10 CFR 50.59. Once this analysis was complete, one conclusion could be licensees determined that peening could be done under 10 CFR 50.59 and therefore, there was no need for an NRC staff review before starting peening. However, the staff emphasized that the 10 CFR 50.59 analysis would need to be done.

There were no action items from the meeting.

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