

March 8, 2018

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

FROM: Joseph J. Holonich, Project Manager */RA/*  
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SUBJECT: SUMMARY OF CLOSED MEETING HELD ON FEBRUARY 21, 2018,  
WITH DOOSAN HF CONTROLS TO DISCUSS THE REVIEW STATUS  
OF AMENDMENTS 2, 3, AND 4

On February 21, 2018, U.S. Nuclear Regulatory Commission (NRC) staff met with representatives from the Doosan HF Controls (HFC). The purpose of the meetings was to discuss the review status and schedule for the HFC Amendment 2 and 3 submittal and Amendment 4 submittal. All information related to the meeting and discussed in this summary can be found in the Agencywide Documents Access and Management System package accession numbers ML18037A011.

At the meeting, HFC made a presentation providing background to the NRC staff on the original topical report, the three amendments, and HFC expectations for the NRC review. During the presentation, the NRC staff asked how the changes in the amendments differed from the accepted-for-use NRC original topical report, HFC explained that, although a major portion of the platform had changed from a microprocessor to field programmable gate array (FPGA), the same design and development processes were being used.

Also discussed was the availability of supporting documents for staff evaluation. HFC confirmed that it had a SharePoint site where it would place supporting documents. As the NRC staff reviewed these documents, if it found some were needed to support the NRC staff conclusions, the staff would ask for those documents to be docketed. An action from this discussion was for the NRC staff to provide names of individuals requiring access to the SharePoint site.

HFC reported that its plan was to provide revised Amendments 2 and 3 in the middle of March 2018, and to complete retesting to support the amendments later in 2018. The NRC staff indicated that it would be more efficient in the review if the retesting were completed before the submission of the amendment revisions. HFC agreed to submit the revisions of Amendments 2 and 3 after the retesting was complete. HFC also agreed to provide a letter requesting a restart of the Amendment 2 and 3 review. This was an action from the meeting.

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For the Amendment 4 review, the NRC staff explained new individuals had been assigned to help conduct the review. This meant that several weeks were needed for staff training to familiarize them with the platform in the currently accepted-for-use design. As such, the NRC staff recommended that HFC review the Amendment 4 submittal and ensure that the most current revision of regulatory guidance is addressed. HFC took this as an action and committed to inform the NRC of HFC's findings.

With respect to the interactions identified in the HFC presentation, it was agreed that a monthly call and as-needed meetings, rather than a call every two weeks and a monthly meeting, would provide the most effective communication. An action from the meeting was for the NRC staff and HFC to schedule these monthly calls once the time was right.

The NRC staff explained that if the calls were focused on administrative matters, schedule, or clarification of docketed information, no notice for the calls was needed. Conversely, if the calls were going to discuss regulatory matters that could affect the NRC staff conclusions, then the calls should be publically noticed. However, even if the calls were noticed, they could be closed if the information discussed was proprietary.

Closing the meeting, the NRC staff provided HFC with insights to the schedule for conducting its review. The NRC staff explained that the general time frame was two years. However, that time could be accelerated if less time was taken to respond to requests for additional information and to comment on the draft safety evaluation. Also, the schedule was contingent upon receiving, high-quality, timely, and complete submittals from HFC.

Earlier in the meeting, the NRC staff explained that topical reports help make the review process more efficient but are not needed for NRC to conduct its regulatory mission. Because of that, topical reports will take a lower priority if higher-priority, licensing work needs to be completed. The staff explained to HFC that other, higher-priority work could potentially impact the review schedule.

An action for the NRC staff was to provide the review schedule once HFC confirmed the Amendment 4 information was accurate and complete, or a revision to Amendment 4 was submitted.

Actions from the meetings included:

- 1) NRC staff will provide names of individuals requiring access to the SharePoint site;
- 2) HFC will provide a letter requesting a restart of the Amendment 2 and 3 review;
- 3) HFC will review the Amendment 4 submittal and ensure that the most current revision of regulatory guidance is addressed and notify the staff of its findings;
- 4) NRC staff and HFC will schedule monthly calls; and
- 5) NRC staff will provide its review schedule to HFC once it has received all the information needed from HFC.

Docket No. 99902028

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 OF AMENDMENTS 2, 3, AND 4 DATED: MARCH 8, 2018

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