

December 7, 2015

MEMORANDUM TO: Kevin Hsueh, 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 JULY 30, 2015, CONFERENCE CALL WITH THE  
TOSHIBA TO DISCUSS THE "LICENSING TOPICAL REPORT FOR  
TOSHIBA NRW-FPGA-BASED INSTRUMENTATION AND CONTROL  
SYSTEM FOR SAFETY-RELATED APPLICATION," UTLA 0020P,  
REVISION 0

On July 30, 2015, staff from the U.S. Nuclear Regulatory Commission (NRC) held a conference call with representatives from Toshiba. The purpose of the call was to discuss Toshiba revisions to its topical report (TR) addressing the staff concerns from the May 28, 2015, meeting regarding "Licensing Topical Report For Toshiba NRW [Non Re-Writable]-FPGA [Field Programmable Gate Array]-Based Instrumentation And Control System For Safety-Related Application," UTLA 0020P, Revision (Agencywide Documents Access and Management System (ADAMS) Package Accession No. ML15121A751). Information related to the conference call can be found in the ADAMS Package Accession No. ML15210A154.

The NRC staff introduced the meeting by explaining that it was a noticed-open call. Thus, discussions could be more detailed than they would be if it were just a routine status call. In addition, the NRC staff explained that it would be preparing minutes that would be made public for stakeholders as would the nonproprietary presentation.

The Toshiba representatives discussed its approach to revising its TR using the presentation that can be found in the previously cited ADAMS package. Then the discussions centered on examples provided in the proprietary package made available to the NRC staff prior to the meeting. The NRC staff indicated the approach being taken by Toshiba in the examples appeared to address the May 28, 2105, concerns.

However, the NRC staff emphasized that the details provided in the TR revision would determine if the concerns had been addressed. The Toshiba representatives indicated that the revised TR would be submitted by August 31, 2015.

In addition, the NRC staff and the Toshiba representatives discussed the submission of supporting documents. It was pointed out by the NRC staff that the equipment-qualification (EQ) documents were needed as soon as possible because there was a contractor that would

shortly begin the review. A delay in the EQ document submissions could mean the review window for the contractor would be lost and although the submission could be delayed a few weeks the impact to the review schedule could be several months.

Based on this, the Toshiba representatives committed to provide all documents by August 31, 2015. If a few documents could not be submitted by that date, the Toshiba representatives committed that all documents would be submitted no later than September 11, 2015.

Finally, the NRC staff and the Toshiba representatives discussed the status of open items. During this discussion the Toshiba representatives indicated that another conference call to discuss the particulars of a number of open items would be beneficial. It was agreed that another conference call would be scheduled. The Toshiba representatives committed to provide several windows for when they would be available for the call.

The following action items resulted from the meeting.

- 1) Toshiba will submit the TR and supporting documents by August 31, 2015. Toshiba will inform the NRC staff of any documents that cannot be submitted by August 31, 2015, and will submit those no later than September 11, 2015. Focus will be on submitting by August 31, 2015, the EQ documents the contractor needs.
- 2) NRC staff will provide open items with notes so Toshiba can better understand concern. Schedule next conference call.
- 3) Toshiba will provide windows of time for the next conference call.

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