

December 20, 2017

James Powers  
Vice President, Nuclear Island & Business Development  
Toshiba America Energy Systems Corporation  
3545 Whitehall Park Drive  
Suite 500  
Charlotte, NC 28273

SUBJECT: DOCUMENT QUALITY SUPPORTING TOPICAL REPORT, "LICENSING  
TOPICAL REPORT FOR TOSHIBA NRW -FPGA-BASED INSTRUMENTATION  
AND CONTROL SYSTEM FOR SAFETY-RELATED APPLICATION,"  
UTLA 0020P, REVISION 0 AND REVIEW STATUS  
(CAC NO. ME9861;EPID: L-2012-TOP-0003)

Dear Mr. Powers:

On November 9, 2017, U.S. Nuclear Regulatory Commission (NRC) staff and Toshiba representatives held a conference call. The purpose of the call was to discuss concerns the NRC staff had with the quality of documents supporting the ongoing review of the Toshiba topical report "Licensing Topical Report [(TR)] For Toshiba NRW [Non Re-Writable]-FPGA [Field Programmable Gate Array]-Based Instrumentation And Control System For Safety-Related Application," UTLA 0020P, Revision 3.

Over the course of its review, the NRC staff identified a number of areas where the quality of documents has not been at the level expected and consistent with Toshiba quality assurance program. These areas came from a number of different interactions with Toshiba and the details were discussed during the call on the November 9, 2017.

Based on those November 9, 2017, discussions, the NRC staff indicated that it still needs more information to help gain confidence that the quality of Toshiba documents are acceptable. Therefore, the NRC staff agrees with the Toshiba recommendation that the review of the Toshiba TR be temporarily stopped until Toshiba does a thorough evaluation of its documents. The evaluation will cover documents containing the detailed design information, as well as documents submitted to the NRC staff supporting the TR for its power range monitor system and oscillation power range monitor unit.

Once we receive confirmation from Toshiba that it has completed its review and the NRC staff determines that the actions acceptably address the concerns with document quality, the review will resume. At that time, the NRC staff will provide Toshiba with a revised schedule for completing the review.

J. Powers

- 2 -

If you have any questions regarding this matter, I may be reached at 301-415-7297 or by electronic mail at [Joseph.Holonich@nrc.gov](mailto:Joseph.Holonich@nrc.gov).

Sincerely,

***/RA Jonathan Rowley Acting For/***

Joseph J. Holonich, Senior Project Manager  
Licensing Processes Branch  
Division of Licensing Processes  
Office of Nuclear Reactor Regulation

Docket No. 99902036

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EPID: L-2012-TOP-0003) DATED: DECEMBER 20, 2017

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