

(Project No. 729)

Received 12/17/03

IM-L-2003-003

December 2, 2003

Document Control Desk
United States Nuclear Regulatory Commission
Washington, DC 20555

Subject: Toshiba NRW-FPGA-Based Controller Qualification Topical Report Project
Submitting Revision 0 of Topical Report

Reference: N/A

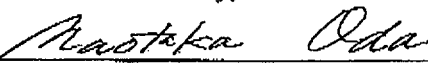
Gentlemen:

Toshiba is hereby submitting Revision 0 of the Topical Report under the NRC licensing topical report program for review for referencing in licensing actions. The Topical Report includes how to qualify Toshiba NRW-FPGA-based control systems for use in safety related applications in US commercial nuclear power plants. Hereafter, it is our intention to keep the NRC informed of the FPGA-based control systems qualification progress through status meetings, submission of supporting information, and revised reports as they are developed during the course of the qualification effort. Enclosed you will find 2 (two) copies of IM-2003-171-NP, "Topical Report of Generic Qualification Program for FPGA-Based Safety-Related I&C Systems (NON-PROPRIETARY MARKUP VERSION)" December 2, 2003 and 4 (four) copies of IM-2003-171-P, "Topical Report of Generic Qualification Program for FPGA-Based Safety-Related I&C Systems", December 2, 2003.

Please note that we are submitting both proprietary and non-proprietary versions of the topical report. The attached affidavit, prepared in accordance with 10CFR Part 2.790(b) and endorsed by an officer of Toshiba Corporation, identifies the proprietary version of the topical report as Toshiba Proprietary material and requests the NRC to withhold this document from public review.

Should you have any questions regarding these documents, please contact me at +81-45-770-2188 or Mr. Horiguchi, Toshiba International Corporation at 212 596-0669 or Mr. J. Douglas Hill, The MPR Associates Project Manager at (703) 519-0200.

Sincerely,



Naotaka Oda
Senior Specialist
Control & Electrical Engineering Dept.
Industrial Power Systems & Services Company
TOSHIBA CORPORATION

cc: Mr. Shukla

T007

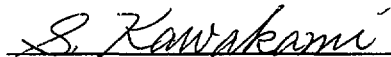
**Attachment 1 to Toshiba Letter to NRC dated December 2, 2003
(re: Proprietary Information)**

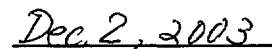
Request For Withholding From Public Disclosure & Affidavit

Enclosures to this Letter include the documents listed below, which specifically apply to the Toshiba Nuclear Qualification Project and are considered to be proprietary. All of this information and each of these documents are specifically designated as "TOSHIBA PROPRIETARY."

In accordance with 10 CFR Part 2.790(b), it is requested that these documents be withheld in their entirety from public disclosure on the basis of Part 2.790(a)(4). These documents describe the details of Toshiba's equipment which will be undergoing 1E qualification testing and further describe the Toshiba approach and procedures for implementing a program to qualify the equipment. The Toshiba Corporation has expended a considerable amount of its resources to develop and qualify the Toshiba NRW-FPGA controller as a highly reliable system for providing digital upgrades to aging nuclear power plant I&C systems. Disclosure of information in these documents would cause substantial harm to the competitive position of the Toshiba Corporation, as there are other competing companies who have or wish to qualify controllers for safety-related application in nuclear power plants. Competing firms could use this information to benefit their own equipment qualification efforts and/or product design.

Signed:


Seishiro Kawakami
Senior Manager
Control & Electrical Engineering Dept.
Industrial Power Systems & Services Company
TOSHIBA CORPORATION


Date

**Attachment 1 – Enclosure List, Toshiba Letter to NRC dated December 2, 2003
(re: Proprietary Information)**

DOCUMENTS ENCLOSED (TO BE WITHHELD FROM PUBLIC DISCLOSURE PER 2.790)

<u>Item</u>	<u>Document Description</u>	<u>Document Number</u>	<u>Rev</u>
1.	Topical Report of Generic Qualification Program for FPGA-Based Safety-Related I&C Systems	IM-2003-171-P (RS-5114515)	0
2.	Topical Report of Generic Qualification Program for FPGA-Based Safety-Related I&C Systems (NON-PROPRIETARY MARKUP VERSION)	IM-2003-171-NP (RS-5114516)	0