

August 8, 2003

MEMORANDUM TO: Stephen Dembek, Chief, Section 2  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

FROM: Girija Shukla, Project Manager, Section 2 **/RA/**  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

SUBJECT: FORTHCOMING MEETING WITH TOSHIBA INTERNATIONAL  
CORPORATION

DATE & TIME: Wednesday, August 20, 2003  
9:00 a.m. - 12:00 noon (Room O-9B4)  
1:00 p.m. - 4:00 p.m. (Room O-5B4)

LOCATION: U.S. Nuclear Regulatory Commission  
One White Flint North  
11555 Rockville Pike  
Rockville, Maryland 20852

PURPOSE: To discuss Toshiba Controller Qualification Topical Report (see attached  
agenda).

CATEGORY\*: This is a Category 1 Meeting. The public is invited to observe this  
meeting and will have one or more opportunities to communicate with  
the NRC after the business portion, but before the meeting is adjourned.

Certain portions of this meeting will be closed to the public because the  
staff has determined that the information is proprietary in nature.

PARTICIPANTS: Participants from the NRC include members of the Office of Nuclear  
Reactor Regulation

<u>NRC</u>	<u>TOSHIBA</u>
G. S. Shukla	Naotaka Oda
S. Dembek	Atsushi Tanaka
C. Graham	Toshifumi Sato
P. Loeser	Hiroshi Sakamoto (TIC)
M. Waterman	Masahiro Horiguchi (TIC)
E. Marinos, et al.	Doug Hill (MPR), et al.

Attachment: Agenda (ADAMS Accession No. ML032200211)

cc w/att: See next page

MEETING CONTACT: Girija Shukla  
(301) 415-8439  
[Gss@nrc.gov](mailto:Gss@nrc.gov)

Toshiba International Corporation

cc:

Mr. J. Douglas Hill, Project Manager  
MPR Associates, Inc.  
320 King Street  
Alexandria, VA 22314

Mr. Masahiro Horiguchi,  
Manager - Nuclear Energy Engineering  
Toshiba International Corporation - Power Systems Division  
c/o Toshiba America, Inc., Suite 4110  
1251 Avenue of the Americas  
New York, NY 10020

Mr. Naotaka Oda  
Senior Specialist  
Information & Monitoring Design Section  
Control & Electrical Systems Design & Engineering Dept.  
Isogo Nuclear Engineering Center  
Toshiba Corporation - Power Systems and Services Company (Yokohama  
Facility)  
8, Shinsugita-Cho, Isogo-Ku, Yokohama 235-8523  
Japan

## AGENDA

### DISCUSSION OF TOSHIBA CONTROLLER QUALIFICATION TOPICAL REPORT

AUGUST 20, 2003

- 9:00-10:00 Introduction

Overview of Field Programmable Gate Array (FPGA)-Based System

- Part 1 - Focus of the presentation
- Part 2 - Project description (brief description of FPGA-based system)
- Part 3 - Toshiba instrumentation and control (I&C) system experience

#### **Public Comments**

(Break)

**(Meeting will be closed to public from this point)**

- 10:00-12:00 Detail of FPGA-Based I&C System

Toshiba Digital I&C System

- FPGA-based system (cont'd)
- Part 4 - Description of FPGA-based system
- Part 5 - Detailed description of non-rewritable-FPGA

(Lunch)

- 1:00 -3:00 Review of Quality Assurance (QA) Plan, Verification and Validation (V&V) and Documents

FPGA-Based System (cont'd)

- Part 6 - QA Plan
- Part 7 - V&V
- Part 8 - Documents
- Part 9 - Summary

- 3:00-4:00 Discussion

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Gss@nrc.gov

\* Commission's Policy Statement on "Enhancing Public Participation in NRC Meetings," (67 FR 36920), May 28, 2002.

**DISTRIBUTION:** See next page

**ADAMS Accession No.: ML032200211**

**NRC-001**

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