June 2, 2009

Document Control Desk U.S. Nuclear Regulatory Commission Washington, DC 20555-0001

Attention: Mr. Jeffrey A. Ciocco

Docket No. 52-021 MHI Ref: UAP-HF-09274

Subject: MHI's Responses to US-APWR DCD RAI No. 339-2431 Revision 1

Reference: 1) "Request for Additional Information No. 339-2431 Revision 1, SRP

Section: 18 - Human Factors Engineering, Application Section: 18.9

Training Program Development," dated April 21st, 2009.

With this letter, Mitsubishi Heavy Industries, Ltd. ("MHI") transmits to the U.S. Nuclear Regulatory Commission ("NRC") a document entitled "Responses to Request for Additional Information No. 339-2431 Revision 1."

Enclosed is the response to the RAI contained within Reference 1.

Please contact Dr. C. Keith Paulson, Senior Technical Manager, Mitsubishi Nuclear Energy Systems, Inc. if the NRC has questions concerning any aspect of the submittals. His contact information is below.

Sincerely,

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Yoshiki Ogata,

General Manager- APWR Promoting Department

Mitsubishi Heavy Industries, LTD.

Enclosure:

1. Responses to Request for Additional Information No. 339-2431 Revision 1

CC: J. A. Ciocco C. K. Paulson

MRC

Contact Information

C. Keith Paulson, Senior Technical Manager Mitsubishi Nuclear Energy Systems, Inc. 300 Oxford Drive, Suite 301 Monroeville, PA 15146

E-mail: ck_paulson@mnes-us.com

Telephone: (412) 373-6466

Docket No. 52-021 MHI Ref: UAP-HF-09274

Enclosure 1

UAP-HF-09274 Docket No. 52-021

Responses to Request for Additional Information No. 339-2431 Revision 1

June 2009

RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

06/02/2009

US-APWR Design Certification
Mitsubishi Heavy Industries
Docket No. 52-021

RAI NO.:

NO. 339-2431 REVISION 1

SRP SECTION:

18 - HUMAN FACTORS ENGINEERING

APPLICATION SECTION:

18.9 TRAINING PROGRAM DEVELOPMENT

DATE OF RAI ISSUE:

4/21/2009

QUESTION NO. 18-36

Section 18.9.2 of the US-APWR DCD references the HFE/HSI topical report MUAP- 07007-P regarding the methodology for the development of the US-APWR training program. In section 5.9.1 of MUAP-07007-P it states that the training program for the US-APWR is developed in accordance with NEI 06-13A and IAEAs systematic approach to training. In the same section it is stated that US-APWR training program is "based" on the training program for the Japanese APWR HSI, and the Japanese standard 4-loop PWR plant systems.

The staff is unclear of what the term "based" means within the context of section 18.9.2. Does the term mean something different from "developed" (as in the US-APWR training program was developed in accordance with...)? Please clarify.

ANSWER:

As stated "the training program for the US-APWR is developed in accordance with NEI 06-13A and IAEA's systematic approach to training." The word "based" refers to the subject matter and the technical content which was previously developed for the Japanese APWR HSI, and the Japanese standard 4-loop PWR plant systems.

Impact on DCD

There is no impact on the DCD

Impact on COLA

There is no impact on the COLA

Impact on PRA

There is no impact on the PRA

This completes MHI's responses to the NRC's questions.