

  
**MITSUBISHI HEAVY INDUSTRIES, LTD.**  
16-5, KONAN 2-CHOME, MINATO-KU  
TOKYO, JAPAN

November 4, 2008

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-08241

**Subject:** MHI's Responses to US-APWR DCD RAI No. 75

**References:** 1) "Request for Additional Information No. 75-1201 Revision 1, SRP Section: 18 - Human Factors Engineering, Application Section: 18.5 Staffing and Qualifications," dated October 1, 2008.

With this letter, Mitsubishi Heavy Industries, Ltd. ("MHI") transmits to the U.S. Nuclear Regulatory Commission ("NRC") a document entitled "Response to Request for Additional Information No. 75-1201 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,



Yoshiaki Ogata,  
General Manager- APWR Promoting Department  
Mitsubishi Heavy Industries, LTD.  
Enclosure:

1. Response to Request for Additional Information No. 75-1201 Revision 1

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

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

DOB/  
MRO

Docket No. 52-021  
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Enclosure 1

UAP-HF-08241  
Docket No. 52-021

Response to Request for Additional Information No.75-1201 Rev.1

November 2008

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**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION**

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11/04/2008

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

**RAI NO.:** NO. 75-1201 REVISION 1  
**SRP SECTION:** 18 - HUMAN FACTORS ENGINEERING  
**APPLICATION SECTION:** 18.5 STAFFING AND QUALIFICATIONS  
**DATE OF RAI ISSUE:** 10/1/2008

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**QUESTION NO. 18-1**

Section 18.5.4 of the US-APWR DCD states:

"No additional information is required to be provided by a COL applicant in connection with this sentence."

Section 5.5 of MHI Topical Report MUAP-07077-P (R1), "HSI System Design Description and HFE Process," states:

"Final Staffing and Qualifications requirements depend on the operating utility's applications, therefore it is a Combined License applicant responsibility."

Please clarify the roles and responsibilities associated with developing staffing and qualification requirements for the US-APWR design.

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**ANSWER:**

At the time of issue of Topical report MUAP-07007-P (R1), "HSI System Design Description and HFE Process," the Staffing and Qualifications requirements for the US-APWR's operations and related tasks for plant safety were clearly defined, but other administrative requirements for tasks, such as operation procedure development and process control, operations department management reviews, etc., were not completely defined. Ultimately, the Staffing and Qualifications requirements for the US-APWR, which are related to plant safety, will be defined generically; they will not be defined uniquely by each COL applicant.

As shown in Figure 4.0-2 of Topical Report MUAP-07007, the US-APWR Staffing and Qualifications report will be available at the end of 2010, for NRC audit and ITAAC closure. The statement of Section 5.5 of the Topical Report is to be deleted from the report in the next revision (Rev.3). The responsibilities of a COL Applicant are defined in the US-APWR DCD.

**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 response to the NRC's question.