


MITSUBISHI HEAVY INDUSTRIES, LTD.
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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-08242

Subject: MHI's Response to US-APWR DCD RAI No. 76

References: 1) "Request for Additional Information No. 76-1200 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. 76-1200 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,



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

1. Response to Request for Additional Information No. 76-1200 Revision 1

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

Contact Information

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NRC

Docket No. 52-021
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Enclosure 1

UAP-HF-08242
Docket No. 52-021

Response to Request for Additional Information No.76-1200 Rev.1

November 2008

RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

11/04/2008

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

RAI NO.: NO. 76-1200 REVISION 1
SRP SECTION: 18 - HUMAN FACTORS ENGINEERING
APPLICATION SECTION: 18.5 STAFFING AND QUALIFICATIONS
DATE OF RAI ISSUE: 10/1/2008

QUESTION NO. 18-2

Section 6.3 of Chapter 18, NUREG-0711 states that the applicant should provide an implementation plan for staffing and qualifications analysis and a results summary report describing the applicant's evaluation of staffing and qualification requirements.

Section 18.5.3 of the US-APWR DCD states that a staffing and qualifications analysis is developed and documented in the staffing and qualifications analysis report.

Please provide the staffing and qualifications analysis report and describe its purpose.

ANSWER:

As stated in Section 5.5 of Topical Report MUAP-07007, the purpose of the staffing and qualifications analysis is to "define the basis for the staffing numbers and qualification requirements, with justification for changes from the reference plant". The complete staffing and qualifications report, which addresses the staffing and qualifications for personnel that perform operations or maintenance tasks directly related to plant safety, is a Plant Licensing Document. For the US-APWR that report is covered in the DCD Tier 1 ITAAC 6 of Table 2.9-1. The analysis that is included in Section 5.5 of the Topical Report is limited to the staffing and qualifications for MCR personnel only, since these are the primary personnel that will utilize the Basic HSI System, and it is only the Basic HSI System that is the subject of this Topical Report.

The total staffing and qualifications analysis report is to be available in the end of 2010, for NRC audit and ITAAC closure.

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.