


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

August 22, 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-08147

Subject: MHI's Response to US-APWR DCD RAI No.36

References: 1) "Request for Additional Information No. 36 Revision 0, SRP Section: 01 – Introduction and Interface, Application Section: 16.3.8.1," dated July 24, 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.36 Revision 0."

Enclosed is the response to an 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.
Enclosures:

1. Response to Request for Additional Information No.36 Revision 0

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

Contact Information

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Docket No. 52-021
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Enclosure 1

UAP-HF-08147
Docket No. 52-021

Response to Request for Additional Information No.36 Revision 0

August 2008

RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

8/22/2008

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

RAI NO.: NO.36 REVISION 0
SRP SECTION: 01 – Introduction and Interfaces
APPLICATION SECTION: 16.3.8.1
DATE OF RAI ISSUE: 7/24/2008

QUESTION NO. : 01-1

The applicant's Technical Specification Section 3.8 is not consistent with NUREG-1432. NUREG-1432, LCO 3.8.1 Condition "A" specifies Required Actions if One [required] offsite circuit is inoperable. However, FSAR Section 16.3.8, Limiting Conditions for Operation 3.8.1, Condition "A", specifies required actions if only one required offsite circuit is operable. 10 CFR 50.36 defines a LCO as the lowest functional capability or performance levels of equipment required for safe operation of the facility. NUREG-1432 describes LCO Conditions and Required Actions that demonstrate an increasing level of mitigative actions consistent with a decreasing performance level for equipment necessary for safe operation. Provide your basis for specifying Conditions and Required Actions for an operable source rather than an inoperable source.

ANSWER:

We had changed the description of CONDITIONS from "... inoperable" used in NUREG-1431 to "... OPERABLE" to clarify the meaning of CONDITIONS. We had thought this description was easier to understand. So we described "Only one required offsite circuit OPERABLE" and standardized the descriptions of other CONDITIONS in Technical Specification Section 3.8 to "... OPERABLE". However, to make better consistency with other sections in term of wordings, we have already changed the descriptions of CONDITIONS from "... OPERABLE" to "... inoperable" in DCD Revision 1, which will be submitted soon.

LCO 3.8.1 Condition A

Revision 0 : Only one required offsite circuit OPEERABLE

Revision 1 : One required offsite circuit inoperable

Impact on DCD

The descriptions above will be incorporated in DCD Revision 1.

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.