


MITSUBISHI HEAVY INDUSTRIES, LTD.
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TOKYO, JAPAN

April 28, 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-09218

Subject: MHI's Response to US-APWR DCD RAI No. 315-2289 REVISION 0

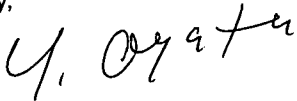
Reference: 1) "Request for Additional Information No. 315-2289 Revision 0, SRP Section: 05.02.01.02 – Applicable Code Cases: Application Section 5.2.1.2" dated April 2, 2009.

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. 315-2289 Revision 0."

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. 315-2289 Revision 0

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

Contact Information

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NRC

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Enclosure 1.....

UAP-HF-09218
Docket Number 52-021

Response to Request for Additional Information
No. 315-2289 Revision 0

April 2009

RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

4/28/2009

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

RAI NO.: NO.315-2289 REVISION 0
SRP SECTION: "5.2.1.2 – APPLICABLE CODE CASES"
APPLICATION SECTION: 5.2.1.2
DATE OF RAI ISSUE: 4/02/2009

QUESTION NO. : 05.02.01.02-6

US-APWR DCD Tier 2, Table 5.2.1-2 provided the applicable ASME Code Cases for Class 1, 2 and 3 pressure boundary piping and components. ASME Code Cases acceptable to NRC staff are published in Regulatory Guides 1.84, 1.147 and 1.92 in accordance with requirements of 10CFR50.55a(b)(4), (b)(5) and (b)(6). Mitsubishi is requested to discuss how Code Case 2142-2, "F-Number Grouping for Ni-Cr-Fe Filler Metals Section IX," (applicable to all Sections, including Section III, Division 1, and Section XI) is acceptable for use in the design of US-APWR Class 1 components as it is not accepted by NRC in the Regulatory Guides mentioned above.

ANSWER:

As NRC indicated in the question, Code Case 2142-2 has been incorporated in ASME Section IX. However the material specification of this welding material is incorporated into the 2006 Edition of ASME Section II Part C. The applicable Code Addenda of ASME Section II for the US-APWR RCS Class 1 components is specified as the 2001 Edition with 2003 Addenda, as stated in the DCD Table 5.2.1-1, so it is necessary to use Code Case 2142-2. Therefore, no DCD change is necessary.

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.