

REQUEST FOR ADDITIONAL INFORMATION 290-2303 REVISION 0

3/26/2009

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 05.02.01.01 - Compliance With the Codes and Standards Rule, 10 CFR 50.55a
Application Section: 5.2.1.1

QUESTIONS for Engineering Mechanics Branch 1 (AP1000/EPR Projects) (EMB1)

05.02.01.01-2

USAPWR FSAR, Tier 2, Table 5.2.1-1 specifies the 2001 Edition with the 2003 Addenda of the ASME BPV Code applicable for the design of Class1 components such as Reactor Vessel (RV), Steam Generators (SG), Pressurizer, Control Rod Drive Mechanism (CRDM) housing, CRDM head adapter, Reactor Coolant Pumps (RCP), Valves, except for seismic design of piping. Note (1) of Table 5.2.1-1 indicated that 1992 Edition and 1992 Addenda of ASME Code Section III NB-3200, NB-3600, NC-3600 and ND-3600 will be used for the seismic design of USAPWR piping in accordance with the requirements of 10CFR50.55a (b)(1)(iii). Mitsubishi is requested to discuss how the use of the baseline code of the 2001 Edition with the 2003 Addenda of the ASME BPV Code and the use of the 1992 Edition and 1992 Addenda for piping will satisfy the requirements of 10CFR50.55a (b)(1)(ii).

05.02.01.01-3

USAPWR Tier 2, Subsection 5.2.1.1, states that the use of Code editions and addenda issued and endorsed by the NRC subsequent to approval of the US-APWR DCD is permitted. Mitsubishi is requested to confirm that the baseline code of the 2001 Edition with the 2003 Addenda of the ASME BPV Code incorporating the 1992 Edition including 1992 Addenda for USAPWR piping seismic design are Tier 2* information that requires NRC approval for any proposed change. Also, discuss how the COL application will justify when applying ASME Code Edition and Addenda other than the code of record in USAPWR DCD stated above.