
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

03/22/2013

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

RAI NO.: NO. 909-6315 REVISION 3
SRP SECTION: 03.07.02 - SEISMIC SYSTEM ANALYSIS
APPLICATION SECTION: 3.7.2
DATE OF RAI ISSUE: 03/05/2012

QUESTION NO. 03.07.02-185:

In MUAP-11002(R1), Section 2.2, "Material Properties," (Page 20), the first bullet in the last paragraph give the compressive strength of the heavy concrete as $f'c = 6,000$ pounds per square inch. The applicant is requested to discuss the reasons for using this higher value as opposed to 4,000 lbs/in² used for the normal weight of concrete, and the basis for the mechanical properties listed in Section 2.2.

ANSWER:

This answer revises and replaces the previous MHI answer that was transmitted by letter UAP-HF-12124, dated June 5, 2012 (ML12158A478).

Heavy concrete is no longer under consideration for the T/B complex. Heavy weight concrete discussion removed from Subsection 2.2 of Technical Report MUAP-11002 Rev. 2.

Impact on DCD

There is no current impact on the DCD.

Impact on R-COLA

There is no impact on the R-COLA.

Impact on S-COLA

There is no impact on the S-COLA.

Impact on PRA

There is no impact on the PRA.

Impact on Technical/Topical Report

There is no impact on a Technical/Topical Report.

This completes MHI's response to the NRC's question.