
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

02/27/2013

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

RAI NO.: NO. 853-6029 REVISION 3
SRP SECTION: 03.07.02 – Seismic System Analysis
APPLICATION SECTION: 3.7.2
DATE OF RAI ISSUE: 10/24/2011

QUESTION NO. NO. 03.07.02-141:

In Section 1.0 of MUAP-11006 (R0) regarding the CIS, the applicant states, "Due to the complexity of the CIS, different stiffness and damping values are assigned to different types of structural components for the two bounding stiffness and damping conditions as described in Appendix A of MUAP-10001."

The staff noted that the applicant has issued a report MUAP-11018 (R0), "Containment Internal Structure: Stiffness and Damping for Analysis," in August 2011. The applicant is requested to confirm that the CIS stiffness and damping information presented in Appendix A of MUAP-10001 (R3), that is used in the validation analysis reported in MUAP-11006 (R0), is not superseded by information in MUAP-11018 (R0); otherwise identify all changes made to the CIS stiffness and damping. The staff has not completed its evaluation of MUAP-11018 (R0); further questions and requests for additional information may be generated with respect to Appendix A of MUAP-10001 (R3).

ANSWER:

Technical Report MUAP-11006, Rev. 0 has been withdrawn. Technical Report MUAP-10001, Rev. 3 is superseded by Technical Report MUAP-10006, Rev.3. Technical Report MUAP-10006, Rev. 3 incorporates the stiffness and damping values assigned to the Containment Internal Structures (CIS) from Technical Report MUAP-11018, Rev. 1. Section 02.4.1.1.3, and Tables 02.4.1.1.3-1 and 02.4.1.1.3-2 of Technical Report MUAP 10006, Rev. 3 provide the stiffness and damping values assigned to the Reactor Building (R/B) complex including those values assigned to the CIS and other Steel Concrete (SC) Modules.

Impact on DCD

There is no 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.