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**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION**

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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

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**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presented in Appendix A of MUAP-10001 (R3), that is used in the validation analysis reported in MUAP-11006 (R0), is not superseded by information in MUAP-11018 (R0); otherwise identify all changes made to the CIS stiffness and damping.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).

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**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Technical Report MUAP-11006, Rev. 0 has been withdrawn. Technical Report MUAP-10001, Rev. 3 is superseded by Technical Report MUAP-10006, Rev.3.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.

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