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. 03.07.02-143:

In Section 4.0 of MUAP-11006 (R0), the applicant states that, "Based on the decoupling criteria of Standard Regulatory Plan (SRP) 3.7.2 (Reference 3), with the exception of the RCL, the subsystems and components inside the containment and in the R/B are included in the coupled model by lumping their masses and neglecting their stiffness."

The applicant is requested to provide a technical justification for the dynamic decoupling (frequency or mass ratios) of representative subsystems and components thereby neglecting their stiffness in the models.

ANSWER:

A lumped mass stick model of the seismic category I structures is no longer used for the associated studies (Structure-Soil-Structure Interaction (SSSI) in Technical Report MUAP-11011 and embedment and water table in Technical Report MUAP-11007). Technical Report MUAP-11006 is withdrawn.

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.