RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

03/22/2013

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

RAI NO.:	**NO. 766-5819 REVISION 3**
SRP SECTION:	**03.07.02 – Seismic System Analysis**
APPLICATION SECTION:	**3.7.2**
DATE OF RAI ISSUE:	**06/09/2011**

QUESTION NO. RAI 03.07.02-47:

In MUAP-11002 (R0) Subsection 5.4, "Development of ACS SASSI Model of TI," (Page 18), the 6th paragraph states, in part, that "A parametric study was performed to establish the Radius of Central Zone for the ACS SASSI model."
The applicant is requested to provide a rationale that explain the significance of the parametric study performed including how the sensitivity of the radius of Central Zone influence the results of the seismic SSI analysis and the T/B relative displacements. In addition, the applicant is requested to provide the results of the parametric study.

ANSWER:

This answer revises and replaces the previous MHI answer that was transmitted by letter UAP-HF-11249, dated August 2011 (ML11215A104).

In the analysis performed for Technical Report MUAP-11002 Rev. 2, the ESWPT was not included in the SSI model; therefore, only one value of the radius of central zone value is appropriate. Please refer to the response to RAI 909-6315 Question 03.07.02-206 for more information. The text discussing the radius of central zone has been removed from Subsection 2.5 of MUAP-11002 Rev. 2.

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.