
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

1/31/2013

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

RAI NO.: NO. 856-6094 REVISION 3
SRP SECTION: 03.07.02 – Seismic System Analysis
APPLICATION SECTION: 3.7.2
DATE OF RAI ISSUE: 10/24/11

QUESTION NO. RAI 03.07.02-171:

In Subsection 3.3 of MUAP-11011 (R0), "SSSI Analysis Methodology for the US-APWR Standard Plant Design," the first paragraph (Page 8) states, "The SSSI effects on the Seismic Category I structures that are not part of the US-APWR standard plant design are addressed on a site-specific basis in the Combined License (COL) application."

The staff is not able to find any COL item listed in Section 3.7.5, "Combined License Information," of US-APWR DCD (R3) that addresses this statement in the above quoted paragraph. The applicant is requested to add this COL item in US-APWR DCD.

ANSWER:

Technical Report MUAP-11011, Rev. 0 has been superseded and the relevant information on the structure-soil-structure interaction analysis methodology has been incorporated into Technical Report MUAP-10006, Rev. 3.

Technical Report MUAP-10006, Rev. 3 only addresses the effect of the non-seismic category I Turbine Building (T/B) on the reactor building (R/B) complex. The structure-soil-structure interaction effect of the R/B complex (and T/B) on the site specific ultimate heat sink, essential service water pipe tunnel and power source fuel storage vault is evaluated by the COL Applicant as required by COL Item 3.7(10).

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 the Technical/Topical Report.

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