
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

1/31/2013

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

RAI NO.: NO. 657-5135 REVISION 2
SRP SECTION: 03.08.05 – Foundations
APPLICATION SECTION: 3.8.5
DATE OF RAI ISSUE: 11/15/10

QUESTION NO. RAI 03.08.05-36:

In the response to Question 03.08.05-23, MHI states that “Figure 3.8.5-5 is a plan view and not a cross section.” This is somewhat confusing because in MHI’s previous response to the initial Question 03.08.05-23, it is stated that Figure 3.8.5-5 is a cross section. Figure 3.8.5-5 cannot be both a cross section and not a cross section. MHI is requested to clarify this inconsistency.

It is further noted that results of the seismic response analyses of the revised model (made necessary by changes in the R/B geometry) will be provided in the revised technical report MUAP-08005. The staff will review this revised report when it is received. In addition, the staff will review the changes in the R/B geometry (including the coordinates of the mass centers of basemat and the structures supported on it) and the changes in the seismic analysis and structural design will be incorporated into a future revision of the DCD.

ANSWER:

This answer revises and replaces the previous MHI answer that was transmitted by letter UAP-HF-10351 in December 2010 (ML110040127).

MHI’s initial response to RAI 340-2004, Question 03.08.05-01 (MHI letter UAP-HF-09363 of July 2009, ML091900557), which identified Figure 3.8.5-5 as a cross-section was incorrect. This error was corrected in MHI’s response to RAI 496-3735, Question 03.08.05-23 (UAP-HF-10032 of February 2010, ML100430770).

Technical Report MUAP-08005 has been superseded by Technical Report MUAP-10006, Rev. 3, which provides the soil-structure interaction (SSI) analysis methodology and the results of the soil-structure interaction (SSI) analyses of the reactor building (R/B) complex supported on a common basemat. DCD Rev. 3 is revised to incorporate effects from changes to the US-APWR standard plant SSI analysis and structural design.

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.