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## RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

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07/08/2013

### US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

**RAI NO.:** NO. 342-2000 REVISION 0  
**SRP SECTION:** 03.08.04 – Other Seismic Category I Structures  
**APPLICATION SECTION:** 3.8.4  
**DATE OF RAI ISSUE:** 04/21/2009

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#### QUESTION NO. 03.08.04-15:

In DCD Subsection 3.8.4.4.2.1, the first paragraph (Page 3.8-59) states that the West PS/B is the worst case configuration and contains the most critical sections.

The applicant is requested to provide the following information:

Explain why the West PS/B is the worst configuration, and why the East PS/B is better. Why are they not the same? As shown in Figures 1.2-2 and 1.2-3, the East PS/B and West PS/B appear to be symmetric.

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#### ANSWER:

This response replaces the previous response submitted via MHI letter UAP-HF-09360, dated July 3, 2009 (ML091900558).

The East and West Power Source Buildings (PS/B), Auxiliary Building (A/B), and the Reactor Building (R/B) are now all on one common basemat. Therefore, the buildings are seismically and structurally analyzed as one complex. The East PS/B and West PS/B are no longer separate, independent structures. Due to combining the buildings, the question is no longer relevant and the West PS/B is no longer the “worst case configuration” and the structures are not considered to be symmetric. Design Control Document (DCD) Revision 3 Section 3.8.4.4.2.1 has been modified and no longer states that the West PS/B is the worst case configuration.

Critical sections of the East PS/B have been added to Section 3.8.4.4.2 of the DCD Markups Associated with Updated Seismic Closure Plan for US-APWR Seismic and Structural Analyses (ML13112A053). Critical sections for the West PS/B were previously included in Section 3.8.4.4.2 of the DCD.

#### Impact on DCD

There is no impact on the DCD.

**Impact on R-COLA**

There is no impact on the R-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.

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