
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

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

QUESTION NO. 03.08.04-13:

In DCD Subsection 3.8.4.4.1.1, it (Page 3.8-57) states that South interior wall of R/8 (Section 2) is one of the most highly stressed shear walls.

The applicant is requested to provide the following information:

- a. What is the load or load combination that causes the high stress?
 - b. Is the south interior wall of R/8 the highest stressed shear wall? If not, which is the highest stressed shear wall?
 - c. Has the stress exceeded the cracking stress of concrete in the highest stressed shear wall? If yes, was the model re-analyzed by using the cracked moment of inertia for that shear wall? If not, provide the reason for not doing it.
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ANSWER:

This response replaces the response that was transmitted on July 3, 2009 via MHI letter UAP-HF-09360 (ML 091900558). The answer to this question is provided in the Rev. 1 response to RAI 497-3734, Question 3.8.4-39.

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.

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