16-5, KONAN 2-CHOME, MINATO-KU TOKYO, JAPAN

January 30, 2012

Document Control Desk U.S. Nuclear Regulatory Commission Washington, DC 20555-0001

Attention: Mr. Jeffrey A. Ciocco

Docket No. 52-021 MHI Ref: UAP-HF-12015

Subject: MHI's Amended Responses to RAI on Chapter 16 and mark up of Chapter

16 and 19 on DCD Revision 3

References: 1) "REQUEST FOR ADDITIONAL INFORMATION 166-1784 REVISION 0, SRP Section: 16 – Technical Specification, Application Section: 16" dated February 3, 2009.

 "REQUEST FOR ADDITIONAL INFORMATION 167-1769 REVISION 0, SRP Section: 16 – Technical Specification, Application Section: 16" dated February 3, 2009.

3) "REQUEST FOR ADDITIONAL INFORMATION 463-3746 REVISION 0, SRP Section: 16 – Technical Specification, Application Section: 16" dated October 6, 2009.

4) "REQUEST FOR ADDITIONAL INFORMATION 590-4753 REVISION 0, SRP Section: 16 – Technical Specification, Application Section: 16" dated June 8, 2010.

With this letter, Mitsubishi Heavy Industries, Ltd. ("MHI") transmits to the U.S. Nuclear Regulatory Commission ("NRC") a CD as listed in Enclosures.

Enclosure 1 is the responses to RAIs contained with Reference 1 through 4. Enclosure 1 also includes mark up of DCD Chapter 16 and 19. Within this mark up, impact from amended responses to RAIs and the result from meetings with NRC on DCD Chapter 16 are reflected.

At NRC request (for consistency with the STS), MHI added Tables B3.3.4 -1 and B3.3.4-2 in Enclosure 1, to identify the required number of safe shutdown components. In the process of adding these tables, MHI identified a discrepancy between Subsections 3.3.2 and 3.3.4, which identify 3 required EFW trains, and Subsection 3.7.5, which identifies 4 required EFW trains. MHI commits to evaluate this discrepancy and will make the appropriate changes to achieve consistency among these sections.

MHI also identified discrepancies between Tables 7.4-1 and 7.4-2, and newly added Tables B3.3.4-1 and B3.3.4-2. MHI will revise Tables 7.4-1 and 7.4-2 to be consistent with Tables B3.3.4-1 and B3.3.4-2.

Please contact to Mr. Joseph Tapia, General Manager of Licensing Department, Mitsubishi Nuclear Energy Systems, Inc. if the NRC has questions concerning any aspect of this submittal. His contact information is provided below.

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Sincerely,

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Yoshiki Ogata, Director- APWR Promoting Department Mitsubishi Heavy Industries, LTD.

Enclosure:

1. CD1: " MHI's Amended Responses to RAIs on Chapter 16 and mark up of Chapter 16 and 19 on DCD Revision 3"

CC: J. A. Ciocco J. Tapia

Contact Information

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ATTACHMENT 1

FILES CONTAINED IN CD 1

CD 1: "MHI's Amended Responses to RAIs on Chapter 16 and mark up of Chapter 16 and 19 on DCD Revision 3"

Contents of CD

<u>File Name</u>	<u>Size</u>	Sensitivity Level
Response_to_RAIs.pdf	0.9 MB	Non-Proprietary
Attachment_A(DCD_Ch16_Ch19).pdf	2.0 MB	Non-Proprietary