

  
**MITSUBISHI HEAVY INDUSTRIES, LTD.**  
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TOKYO, JAPAN

May 13, 2010

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-10133

**Subject: Transmittal of the Technical Report "Seismic Design Bases of the US-APWR Standard Plant" (MUAP-10001 Revision 1)**

- Reference:**
- 1) Letter MHI Ref. UAP-HF-10041 from Y. Ogata ("MHI") to U.S. NRC, "Transmittal of the Technical Report "Seismic Design Bases of the US-APWR Standard Plant" (MUAP-10001)" dated on February 8, 2010
  - 2) Letter MHI Ref. UAP-HF-10024 from Y. Ogata ("MHI") to U.S. NRC, "Amendment of Additional Information for Seismic Analysis" dated on February 2, 2010

With this letter, Mitsubishi Heavy Industries, Ltd. ("MHI") transmits to the U.S. Nuclear Regulatory Commission ("NRC") the revised technical report "Seismic Design Bases of the US-APWR Standard Plant" (MUAP-10001), which was previously submitted in Reference 1. MHI revises the document (MUAP-10001) to update the description of modeling including the reactor coolant loop, including references to MUAP-10006, which was submitted April 28, 2010, for results of analyses, and change to model verification methodology.

This Report supplements the materials provided in the "Design Control Document for the US-APWR" ("DCD"). The Report is being submitted electronically in compact disc (CD). Submittal of the enclosed technical report was one of the commitments in Reference 2, Enclosure 2.

Please contact Dr. C. Keith Paulson, Senior Technical Manager, Mitsubishi Nuclear Energy Systems, Inc. if the NRC has questions concerning any aspect of this submittal. His contact information is provided below.

Sincerely,



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

DOB1  
URD

Enclosures :

1. CD: "Seismic Design Bases of the US-APWR Standard Plant"(MUAP-10001, Revision1)

CC : J. A. Ciocco  
C. K. Paulson

Contact Information

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**ENCLOSURE – 1**

**FILES CONTAINED IN CD 1**

**CD 1: “Seismic Design Bases of the US-APWR Standard Plant” (MUAP-10001, Revision1)**

**Contents of CD**

<u>File Name</u>	<u>Size</u>	<u>Sensitivity Level</u>
MUAP-10001(R1)_1.pdf	44.0MB	Non-Proprietary
MUAP-10001(R1)_2.pdf	43.7MB	Non-Proprietary
MUAP-10001(R1)_3.pdf	39.9MB	Non-Proprietary