


MITSUBISHI HEAVY INDUSTRIES, LTD.
16-5, KONAN 2-CHOME, MINATO-KU
TOKYO, JAPAN

June 30, 2011

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

Attention: Mr. Jeffery A. Ciocco

Docket No. 52-021
MHI Ref: UAP-HF-11195

**Subject: MHI's Supplemental Response to US-APWR DCD RAI No. 542-4262
(SRP 03.07.02)**

- References:**
- (1) Letter (ML11136A235) from Y. Ogata (MHI) to U.S. NRC, "Revised Completion Plan for US-APWR Seismic and Structural Analyses" dated May 12, 2011
 - (2) Letter (MHI Ref: UAP-HF-11179) from Y. Ogata (MHI) to U.S. NRC, "Transmittal of the Technical Report "Transmittal of the Technical Reports "Seismic Design Bases of the US-APWR Standard Plant" (MUAP-10001)" dated June 10, 2011
 - (3) Letter (MHI Ref: UAP-HF-11182) from Y. Ogata (MHI) to U.S. NRC, "Transmittal of the Technical Report "Auxiliary Building Model Properties, SSI Analyses, and Structural Integrity Evaluation for the US-APWR Standard Plant" (MUAP-11001), Revision 1" dated June 15, 2011
 - (4) Letter (MHI Ref: UAP-HF-11196) from Y. Ogata (MHI) to U.S. NRC, "Transmittal of the Technical Reports "Lumped Mass Stick Model of US-APWR Reactor Building Complex" (MUAP-10001), "Results of Evaluation Using LMSM for R/B Complex" (MUAP-11007), "Structure-Soil-Structure Interaction Analyses and Results for the PS/B, R/B Complex and A/B Analyses" (MUAP-11011), and "Containment Internal Structure Design and Validation Methodology" (MUAP-11013)" dated June 29, 2011
 - (5) "Request for Additional Information No. 542-4262, Revision 2, SRP Section: 03.07.02 – Seismic System Analysis," dated 3/02/2010
 - (6) "Response to Request for Additional Information No. 542-4262, Revision 2, SRP Section: 03.07.02 – Seismic System Analysis," (MUAP-HF-10086), dated 3/30/2010

In Reference 1, Mitsubishi Heavy Industries, Ltd. (MHI) provided a completion plan for the US-APWR seismic and structural analyses. Based on the plan, six of the technical reports have been transmitted to the U.S. Nuclear Regulatory Commission ("NRC") (References 2, 3 and 4).

Based on the above transmitted technical reports, one of the previously submitted responses in Reference 6, Question 03.07.02-35, has been revised.

With this letter, MHI transmits to the NRC a document entitled "Supplemental Response to Request for Additional Information No. 542-4262, Revision 2."

DOB
MHI

The enclosed document is being submitted in two versions. One version (Enclosure 1) includes certain information, designated pursuant to the Commission guidance as sensitive unclassified non-safeguards information, referred to as security-related information ("SRI"), that is to be withheld from public disclosure under 10 C.F.R. § 2.390. The information that is SRI is identified by brackets. The second version (Enclosure 2) omits the SRI and is suitable for public disclosure. In the public version of the DCD, the SRI is replaced by the designation "[Security-Related Information - Withheld Under 10 CFR 2.390]".

Enclosures also contain DCD mark-ups that are identified by this supplemental response as well as the submitted technical reports (References 2, 3 and 4). Enclosure 3 lists impacts on DCD.

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,



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

Enclosures:

1. Supplemental Response to Request for Additional Information
No. 542-4262, Revision 2 (SRI included version)
2. Supplemental Response to Request for Additional Information
No. 542-4262, Revision 2 (SRI excluded version)
3. Impact on DCD

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

Contact Information

C. Keith Paulson, Senior Technical Manager
Mitsubishi Nuclear Energy Systems, Inc.
300 Oxford Drive, Suite 301
Monroeville, PA 15146
E-mail: ck_paulson@mnes-us.com
Telephone: (412) 373-6466