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

April 25, 2008

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-08082

Subject: Transmittal of the Technical Report "Dynamic Analysis of the Coupled

RCL-R/B-PCCV-CIS Lumped Mass Stick Model" (MUAP-08005)

Reference: 1) Letter MHI Ref. UAP-HF-07170 from M. Kaneda ("MHI") to U.S. NRC,

"Mitsubishi Heavy Industries, Ltd. Application for Design Certification of the

US-APWR Standard Plant Design" dated on December 31, 2007

With this letter, Mitsubishi Heavy Industries, Ltd. ("MHI") transmits to the U.S. Nuclear Regulatory Commission ("NRC") the technical report "Dynamic Analysis of the Coupled RCL-R/B-PCCV-CIS Lumped Mass Stick Model". This Report supplements the materials provided in the "Design Control Document for the US-APWR" ("DCD"), and is incorporated by reference in the DCD. The Report is being submitted electronically in compact discs (CDs). Submittal of the enclosed technical report was one of the commitments made at the time MHI filed its application for NRC certification of the US-APWR design in Reference 1, Enclosure 2.

The enclosed report is being submitted in two versions, each version on a separate compact disc. One version (on CD 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 (on CD 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]".

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.

Enclosures:

- 1. CD 1: "Dynamic Analysis of the Coupled RCL-R/B-PCCV-CIS Lumped Mass Stick Model" - SRI included version
- 2. CD 2: "Dynamic Analysis of the Coupled RCL-R/B-PCCV-CIS Lumped Mass Stick Model" - SRI excluded version

The files contained in each CD are listed in Attachments 1 and 2 hereto.

CC: L J. Burkhart

J. W. Chung

S. R. Monarque

C. K. Paulson

Contact Information

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ATTACHMENT 1

FILES CONTAINED IN CD 1

CD 1: "Dynamic Analysis of the Coupled RCL-R/B-PCCV-CIS Lumped Mass Stick Model"

- Version containing Security-Related Information

Contents of CD

File NameSizeSensitivity Level001 Dynamic Analysis RCL-SRI.pdf3.3MBSRI

ATTACHMENT 2

FILES CONTAINED IN CD 2

CD 2: "Dynamic Analysis of the Coupled RCL-R/B-PCCV-CIS Lumped Mass Stick Model"

- Version not containing Security-Related Information

Contents of CD

File NameSizeSensitivity Level001 Dynamic Analysis RCL-NSRI.pdf3.0MBNon-SRI