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July 15, 2009

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-09376

Subject:

Transmittal of the Technical Report "Justification for 20 Years Inspection

Interval for Reactor Coolant Pump Flywheel" (MUAP-090017)

Reference: 1) Letter MHI Ref. UAP-HF-09208 from Y. Ogata ("MHI") to U.S. NRC, "MHI's Response to US-APWR DCD RAI No.274-2126 Revision 1" dated on April 2.

2009

With this letter, Mitsubishi Heavy Industries, Ltd. ("MHI") transmits to the U.S. Nuclear Regulatory Commission ("NRC") the technical report entitled "Justification for 20 Years Inspection Interval for Reactor Coolant Pump Flywheel". 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 in Reference 1, Enclosure 2.

An indicated in the enclosed materials, this report contains information that MHI considers proprietary, and therefore should be withheld from public disclosure pursuant to the 10 CFR § 2.390 (a)(4) as trade secrets and commercial or financial information which is privileged or confidential. A non-proprietary version of the document is also being submitted with the information identified as proprietary redacted and replaced by the designation "[]".

This letter includes a copy of the proprietary included version (Enclosure 2), a copy of the non-proprietary excluded version (Enclosure 3), and the Affidavit of Yoshiki Ogata (Enclosure 1) which identifies the reasons MHI respectfully requests that all materials designated as "Proprietary" in Enclosure 2 be withheld from public disclosure pursuant to 10 CFR § 2.390 (a)(4).

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, y, og a ter

Yoshiki Oqata,

General Manager- APWR Promoting Department

Mitsubishi Heavy Industries, LTD.

Enclosures:

- 1. Affidavit of Yoshiki Ogata
- 2. CD 1: "Justification for 20 Years Inspection Interval for Reactor Coolant Pump Flywheel" Proprietary information included version
- 3. CD 2: "Justification for 20 Years Inspection Interval for Reactor Coolant Pump Flywheel" Non-Proprietary information excluded version

The file contained in each CD is listed in Attachments 1 and 2 hereto.

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

ENCLOSURE - 1

Docket No. 52-021 MHI Ref: UAP-HF-09376

MITSUBISHI HEAVY INDUSTRIES, LTD.

AFFIDAVIT

- I, Yoshiki Ogata, state as follows:
- I am General Manager, APWR Promoting Department, of Mitsubishi Heavy Industries, LTD ("MHI"), and have been delegated the function of reviewing MHI's US-APWR documentation to determine whether it contains information that should be withheld from public disclosure pursuant to 10 CFR § 2.390 (a)(4) as trade secrets and commercial or financial information which is privileged or confidential.
- 2. In accordance with my responsibilities, I have reviewed the enclosed document entitled "Justification for 20 Years Inspection Interval for Reactor Coolant Pump Flywheel" dated July 2009, and have determined that portions of the document contain proprietary information that should be withheld from public disclosure. Those pages containing proprietary information are identified with the label "Proprietary" on the top of the page and the proprietary information has been bracketed with an open and closed bracket as shown here "[]". The first page of the document indicates that all information identified as "Proprietary" should be withheld from public disclosure pursuant to 10 CFR § 2.390 (a)(4).
- 3. The information identified as proprietary in the enclosed document has in the past been, and will continue to be, held in confidence by MHI and its disclosure outside the company is limited to regulatory bodies, customers and potential customers, and their agents, suppliers, and licensees, and others with a legitimate need for the information, and is always subject to suitable measures to protect it from unauthorized use or disclosure.
- 4. The basis for holding the referenced information confidential are as follows;
 - A. They include the output of analyses used by mathematical models developed at significant cost to MHI, since it required the performance of detailed design calculations, supporting analyses. The information out of the analyses is not available in public sources and could not be gathered readily from other publicly available information. MHI knows of no way the information could be lawfully acquired by organizations or individuals outside of MHI.
 - B. They include the information that is provided to MHI pursuant to licensing agreements with third parties (the "Licensors") for MHI's use and under the obligation to maintain their confidentiality. Furthermore, MHI has an ownership interest in the referenced information by having paid significant sums of money to the Licensors for the rights to the intellectual property therein such that public disclosure of the materials would adversely affect MHI's competitive position.
- 5. The referenced information is being furnished to the Nuclear Regulatory Commission ("NRC") in confidence and solely for the purpose of information to the NRC staff.

- 6. The referenced information is not available in public sources and could not be gathered readily from other publicly available information. Other than through the provisions in paragraph 3 above, MHI knows of no way the information could be lawfully acquired by organizations or individuals outside of MHI.
- 7. Public disclosure of the referenced information would assist competitors of MHI in their design of new nuclear power plants without incurring the costs or risks associated with the design of the subject systems. Therefore, disclosure of the information contained in the referenced document would have the following negative impacts on the competitive position of MHI in the U.S. nuclear plant market:
 - A. Loss of competitive advantage due to the costs associated with development of the methodology of modeling and analysis for primary components and piping design. Providing public access to such information permits competitors to duplicate or mimic the methodology without incurring the associated costs.
 - B. Loss of competitive advantage of the US-APWR created by benefits of enhanced plant safety, and reduced operation and maintenance costs associated with the primary components and piping.

I declare under penalty of perjury that the foregoing affidavit and the matters stated therein are true and correct to the best of my knowledge, information and belief.

Executed on this 15th day of July, 2009.

Y. Ogerter

Yoshiki Ogata,

General Manager- APWR Promoting Department

Mitsubishi Heavy Industries, LTD.

ATTACHMENT 1

FILE CONTAINED IN CD 1

CD 1: "Justification for 20 Years Inspection Interval for Reactor Coolant Pump Flywheel"

- Version containing Proprietary Information

Contents of CD

File NameSizeSensitivity LevelMUAP-09017-P(R0) RCP Flywheel.pdf4.30 MBProprietary

ATTACHMENT 2

FILE CONTAINED IN CD 2

CD 2: "Justification for 20 Years Inspection Interval for Reactor Coolant Pump Flywheel"

- Version not containing Proprietary Information

Contents of CD

File NameSizeSensitivity LevelMUAP-09017-NP(R0)RCP Flywheel.pdf2.39 MBNon-Proprietary