MITSUBISHI HEAVY INDUSTRIES, LTD.

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TOKYO, JAPAN

December 5, 2007

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

Attention: Mr. David B. Matthews

Project No.0751 MHI Ref: UAP-HF-07163

> NRD. DUB.

Subject: Transmittal of the Technical Report entitled "Qualification and Test Plan of Class 1E Gas Turbine Generator System".

With this letter, Mitsubishi Heavy Industries, LTD. (MHI) transmits to the U.S. Nuclear Regulatory Commission (NRC) the technical report entitled "Qualification and Test Plan of Class 1E Gas Turbine Generator System". Based on the discussion in the pre-submittal meeting between the MHI and NRC staff on June 13, 2007, MHI will refer this document in the US-APWR design control document (DCD).

As indicated in the enclosed materials, this technical report contains information that MHI, Kawasaki Heavy Industries, LTD. (KHI), and Engine Systems, Inc. (ESI) consider proprietary, and therefore should be withheld from disclosure pursuant to 10 C.F.R. § 2.390 (a)(4) and 10 C.F.R. § 9.17 (a)(4) as trade secrets and commercial or financial information which is privileged or confidential. A non-proprietary version of the technical report is also being submitted in this package (Enclosure 3). In the non-proprietary version, the proprietary information, bracketed in the proprietary version, is replaced by the designation "[]".

This letter includes a copy of the proprietary version (Enclosure 2), a copy of the non-proprietary version (Enclosure 3) and the Affidavit of Masahiko Kaneda (Enclosure 1) which identifies the reasons MHI respectfully requests that all materials designated as "Proprietary" in Enclosure 2 be withheld from disclosure pursuant to 10 C.F.R. § 2.390 (a)(4) and 10 C.F.R.§ 9.17(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 the submittals. His contact information is below.

Sincerely,

M. Komeda

Masahiko Kaneda, General Manager- APWR Promoting Department Mitsubishi Heavy Industries, LTD. Enclosures:

Enclosure1 - Affidavit of Masahiko Kaneda (non-proprietary)

Enclosure2 - Qualification and Test Plan of Class 1E Gas Turbine Generator System (proprietary)(MUAP-07024-P, Rev.0)

Enclosure3 - Qualification and Test Plan of Class 1E Gas Turbine Generator System (non-proprietary)(MUAP-07024-NP, Rev.0)

CC: S. M. Coffin

S. R. Monarque

J. A. Ciocco

J. W. Chung

C. K. Paulson

Contact Information

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C. Keith Paulson, Senior Technical Manager Mitsubishi Nuclear Energy Systems, Inc. 300 Oxford Drive, Suite 301 Monroeville, PA 15146 E-mail: ckpaulson@aol.com Telephone: (412) 374 – 6466

MITSUBISHI HEAVY INDUSTRIES, LTD.

AFFIDAVIT

I, Masahiko Kaneda, state as follows:

- 1. 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 disclosure pursuant to 10 C.F.R. § 2.390 (a)(4) and 10 C.F.R.§ 9.17(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 technical report dated December 4, 2007, entitled "Qualification and Test Plan of Class 1E Gas Turbine Generator System" and have determined that portions of the report 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 proprietary information has been bracketed with an open and closed bracket as shown here "[]". The first page of the technical report indicates that all information identified as "Proprietary" should be withheld from public disclosure pursuant to 10 C.F.R. § 2.390 (a)(4).
- 3. The information identified as proprietary in the enclosed technical report has in the past been, and will continue to be, held in confidence by MHI, Kawasaki Heavy Industries, LTD. (KHI), and Engine Systems, Inc. (ESI) 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 is that it describes the unique design of the gas turbine generator system, developed by MHI, KHI, and ESI and not used in the exact form by any of MHI's, KHI's, and ESI's competitors. This information was developed at significant cost to MHI, KHI, and ESI, since it required the performance of Research and Development, detailed design for its software and hardware extending over several years.
- 5. The referenced information is being furnished to the Nuclear Regulatory Commission ("NRC") in confidence and solely for the purpose of supporting 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, KHI, and ESI.
- 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 technical report 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 class 1E gas turbine generator. Providing public access to such information permits competitors to duplicate or mimic the technology 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 class 1E gas turbine generator.

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 5th day of December, 2007.

M. Komeda

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Masahiko Kaneda, General Manager- APWR Promoting Department Mitsubishi Heavy Industries, LTD.

Enclosure 2

MHI Technical Report: MUAP-07024-P, Rev.0

Qualification and Test Plan of Class 1E Gas Turbine Generator System

December 2007 (Proprietary Version)

[Important Notice]

This technical report contains proprietary information of Mitsubishi Heavy Industries, LTD (MHI). MHI requests that the NRC withhold this information from public disclosure. The first page of this technical report and those pages containing proprietary information are identified with the label "Proprietary" on the top of the page. The first page of the technical report also indicates that all information identified as "Proprietary" should be withheld from public disclosure pursuant to 10 C.F.R. § 2.390 (a)(4).

Enclosure 3

MHI Technical Report: MUAP-07024-NP, Rev.0

Qualification and Test Plan of Class 1E Gas Turbine Generator System

December 2007 (Non-Proprietary Version)

This is a non-proprietary version of MHI Technical Report, MUAP-07024-NP, Rev.0, with all proprietary information removed.

Portions of the report where proprietary information has been removed are identified by the designation "[]".