


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

November 30, 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-09538

Subject: MHI's Amended Responses to the NRC's Requests for Additional Information on Topical Report MUAP-07008-P(0) "Mitsubishi Fuel Design Criteria and Methodology"

- Reference:**
- 1) "Request for Additional Information Topical Report Mitsubishi Fuel Design Criteria and Methodology MUAP-07008-P Rev.0" dated on June 8, 2009
 - 2) "MHI's Partial Responses to the NRC's Requests for Additional Information on Topical Report MUAP-07008-P(0) "Mitsubishi Fuel Design Criteria and Methodology" (MHI Ref: UAP-HF-08299)" dated on December 19, 2008
 - 3) "MHI's Responses to the NRC's Requests for Additional Information on Topical Report MUAP-07008-P(0) "Mitsubishi Fuel Design Criteria and Methodology" (MHI Ref: UAP-HF-09025)" dated on January 30, 2009
 - 4) "MHI's Responses to the NRC's Requests for Additional Information on Topical Report MUAP-07008-P(0) "Mitsubishi Fuel Design Criteria and Methodology" (MHI Ref: UAP-HF-09351)" dated on July 7, 2009

With this letter, Mitsubishi Heavy Industries, Ltd. ("MHI") transmits to the U.S. Nuclear Regulatory Commission ("NRC") responses entitled "MHI's Amended Responses to the NRC's Requests for Additional Information on Topical Report MUAP-07008-P(0) "Mitsubishi Fuel Design Criteria and Methodology"(MHI Ref: UAP-HF-09538(R0)) . In the enclosed document, MHI provides the revised responses for RAI's all items of those in Reference 1 in which the results of NRC's audit held on September 16 at Arlington, are reflected.

As indicated in the enclosed materials, this document contains information that MHI considers proprietary, and therefore should be withheld from public disclosure pursuant to 10 C.F.R. § 2.390 (a)(4) as trade secrets and commercial or financial information which is privileged or confidential. The proprietary information is bracketed by the designation "[]".

This letter includes a copy of the proprietary version (Enclosure 2) 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 C.F.R. § 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.

D081
NRD

Sincerely,



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

Enclosures:

1. Affidavit of Yoshiaki Ogata
2. MHI's Amended Responses to the NRC's Requests for Additional Information on Topical Report MUAP-07008-P(0) "Mitsubishi Fuel Design Criteria and Methodology" (proprietary)

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-09538

MITSUBISHI HEAVY INDUSTRIES, LTD.

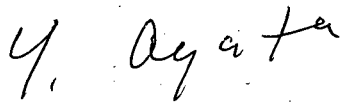
AFFIDAVIT

I, Yoshiki Ogata, being duly sworn according to law, depose and 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) as trade secrets and commercial or financial information which is privileged or confidential.
2. In accordance with my responsibilities, I have reviewed the enclosed "MHI's Responses to the NRC's Requests for Additional Information on Topical Report MUAP-07008-P(0) Mitsubishi Fuel Design Criteria and Methodology" 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 the 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).
3. The information in the report identified as proprietary by MHI 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 is that it describes the unique code and files developed by MHI for the fuel of the US-APWR. These were developed at significant cost to MHI, since they required the performance of detailed calculations, analyses, and testing extending over several years. The referenced information is not available in public sources and could not be gathered readily from other publicly available information.
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's review of MHI's Application for certification of its US-APWR Standard Plant Design.
6. Public disclosure of the referenced information would assist competitors of MHI in their design of new nuclear power plants without the costs or risks associated with the design of new fuel systems and components. Disclosure of the information identified as proprietary would therefore have negative impacts on the competitive position of MHI in the U.S. nuclear plant market.

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 30th day of November, 2009.

A handwritten signature in cursive script, appearing to read "Y. Ogata".

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