



MITSUBISHI HEAVY INDUSTRIES, LTD.
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TOKYO, JAPAN

May 24, 2010

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-10139

Subject: Transmittal of Input Decks for the US-APWR Large Break LOCA Analysis

Mitsubishi Heavy Industries, Ltd. ("MHI") is submitting to the U.S. Nuclear Regulatory Commission ("NRC") the input files (hereby the "Referenced Material") for the US-APWR Large Break LOCA analyses referenced in the "Design Control Document for the US-APWR" ("DCD") and supporting Topical Report "Large Break LOCA Code Applicability Report for US-APWR" (MUAP-07011), submitted to the NRC in support of MHI's US-APWR Design Certification Application ("DCA"). The Referenced Materials are being submitted electronically in the Optical Storage Media ("OSM") enclosed in this letter. The files contained on OSM are listed on the associated enclosure cover sheet.

These files are being furnished to the 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.

This letter includes a copy of the proprietary version (Enclosure 2), and the Affidavit of Atsushi Kumaki (Enclosure 1) which identifies the reasons MHI respectfully requests that the material 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.

Sincerely,

Atsushi Kumaki for.

Yoshiki Ogata
General Manager- APWR Promoting Department
Mitsubishi Heavy Industries, Ltd.

*DOOL
NRC*

Enclosures:

1. Affidavit of Atsushi Kumaki
2. OSM: Materials for LBLOCA Analysis (Smaller Break Size Case) (Proprietary)
The files contained in this OSM are listed in Attachment 1.

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: ckpaulson@mnes.com
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ENCLOSURE 1

Docket No. 52-021
MHI Ref: UAP-HF-10139

MITSUBISHI HEAVY INDUSTRIES, LTD. AFFIDAVIT

I, Atsushi Kumaki, being duly sworn according to law, depose and state as follows:

1. I am Group Manager, Licensing Promoting Group in 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 Optical Storage Medium ("OSM") dated May 2010, and have determined that the OSM contains proprietary information that should be withheld from public disclosure. The labels on the OSM have been marked to indicate that the entire contents of the OSM should be withheld from public disclosure pursuant to 10 C.F.R. § 2.390 (a)(4).
3. The basis for holding the referenced information confidential is that it describes the unique design of the safety analysis, developed by MHI (the "MHI Information").
4. The MHI Information is not used in the exact form by any of MHI's competitors. This information was developed at significant cost to MHI, since it required the performance of research and development and detailed design for its software and hardware extending over several years. Therefore public disclosure of the materials would adversely affect MHI's competitive position.
5. The referenced information has in the past been, and will continue to be, held in confidence by MHI and is always subject to suitable measures to protect it from unauthorized use or disclosure.
6. The referenced information is not available in public sources and could not be gathered readily from other publicly available information.
7. 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.
8. 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 and testing of new 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 24th day of May, 2010.

A handwritten signature in black ink that reads "Atsushi Kumaki". The signature is written in a cursive style with a distinct flourish at the end.

Atsushi Kumaki
Group Manager – Licensing Promoting Group of APWR Promoting Department
Mitsubishi Heavy Industries, LTD.

ATTACHMENT 1
FILES Contained in OSM

OSM: Materials for LBLOCA Analysis (Smaller Break Size Case)(Proprietary)

Contents of OSM

<u>Folder and File Name</u>	<u>Size</u>	<u>Sensitivity Level</u>
• Document		
- 6AS-1E-UAP-100021_Info_for_Smaller_Case_r5.pdf	231KB	Proprietary
• Input_Files		
/Smallest_Break_Size_Case/run118		
- hs00.inp	1KB	Proprietary
- u05_ss	208KB	Proprietary
- u05_tr	31KB	Proprietary
- u19	5651KB	Proprietary
- u29	1KB	Proprietary
/2nd_Smallest_Break_Size_Case/run117		
- hs00.inp	1KB	Proprietary
- u05_ss	208KB	Proprietary
- u05_tr	31KB	Proprietary
- u19	5651KB	Proprietary
- u29	1KB	Proprietary