


MITSUBISHI HEAVY INDUSTRIES, LTD.
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TOKYO, JAPAN

December 31, 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-07189

Subject: Documents and Computer Programs Referenced in the US-APWR Design Control Document and Supporting Documents


Mitsubishi Heavy Industries, Ltd. ("MHI") is submitting to the U.S. Nuclear Regulatory Commission ("NRC") copies of various documents and computer programs (collectively the "Referenced Materials") referenced in the "Design Control Document for the US-APWR" ("DCD"), and supporting past and/or further Topical and Technical Reports, submitted to the NRC in support of MHI's US-APWR Design Certification Application ("DCA"). These Referenced Materials are being submitted electronically in 13 Optical Storage Media ("OSM") for the ease and convenience of the NRC staff's review of the DCA, which is submitted concurrently under a separate cover letter.

The Referenced Materials 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.

The enclosed Referenced Materials contain information that has been provided to MHI under the obligation to maintain its confidentiality and should be withheld from disclosure pursuant to 10 C.F.R. § 2.390 (a)(4) and 10 CFR § 9.17(a)(4) as trade secrets and commercial or financial information which is privileged or confidential. In accordance with the NRC submittal procedures, this letter includes an Affidavit that identifies the reasons why the Referenced Materials should be withheld from disclosure pursuant to 10 C.F.R. § 2.390 (a)(4) and 10 CFR § 9.17(a)(4). The files contained in the OSM are identified in the first file, Table of Contents, on the OSM which identifies all of the document files and computer programs included on the OSM.

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,



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

D081

Enclosures:

1. Affidavit of Masahiko Kaneda
2. OSM: Referenced Materials
 - Document #1 Nuclear Design
 - Document #2 Fuel Design
 - Document #3 Thermal-Hydraulic Design
 - Document #4 Reactor Internals Design
 - Document #5 LOCA Analysis
 - Document #6 Non-LOCA Analysis
 - Document #7 System and Equipment
 - Computer Programs #1 FINE
 - Computer Programs #2 MARVEL-M
 - Computer Programs #3 TWINCLE-M
 - Computer Programs #4 ASTRUM [Including WCOBRA/TRAC (M1.0)]
 - Computer Programs #5 SATAN-VI (M1.0)
 - Computer Programs #6 WREFLOOD (M1.0)

CC: S. M. Coffin
S. R. Monarque
J. A. Ciocco
J. W. Chung
C. K. Paulson

Contact Information

C. Keith Paulson, Senior Technical Manager
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ENCLOSURE 1

**UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION**

In the Matter of)
MITSUBISHI HEAVY INDUSTRIES, Ltd.)
US-APWR)
Standard Plant Design Certification Application)

AFFIDAVIT OF MASAHIKO KANEDA

I, Masahiko Kaneda, 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) and 10 CFR § 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 contents of the enclosed OSM, which includes copies of various documents and computer programs (collectively the "Referenced Materials") referenced in the "Design Control Document for the US-APWR", and supporting Topical and Technical Reports, submitted to the NRC in support of MHI's US-APWR Design Certification Application, and have determined that the Referenced Materials contain proprietary information that should be withheld from public disclosure. Accordingly, the label on the enclosed OSM has 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 Materials confidential is that they were provided to MHI pursuant to licensing agreements with a third party (the "Licensor") for MHI's use and under the obligation to maintain their confidentiality.
4. Pursuant to the licensing agreements with the Licensor, the Referenced Materials have in the past been, and will continue to be, held in confidence by MHI, and are subject to suitable measures to protect them from unauthorized use or disclosure.
5. The Referenced Materials are generally not available in public sources and could not be gathered readily from other publicly available information.
6. Public disclosure of the Referenced Materials would assist competitors of MHI and the Licensor in their design of new nuclear power plants without the costs or risks associated with the design of new systems and components. Disclosure of the information identified as proprietary would therefore have negative impacts on the competitive position of MHI and the Licensor in the U.S. nuclear plant market.
7. The Referenced Materials are 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.

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 31st day of December, 2007.

M. Kaneda

Masahiko Kaneda