


MITSUBISHI HEAVY INDUSTRIES, LTD.
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TOKYO, JAPAN

April 28, 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-10108

Subject: Transmittal of the US-APWR HFE Implementation Plan

With this letter, Mitsubishi Heavy Industries, Ltd. ("MHI") transmits to the U.S. Nuclear Regulatory Commission ("NRC") the documents related to the US-APWR HFE Implementation Plan. The documents are being submitted electronically in compact disc ("CD"), and the CD includes seven (7) documents.

At the public meeting of March 17, 2010, MHI was requested to provide following HFE implementation plans that would help the staff understand how the DCD Chapter 18 meets the review criteria of NUREG-0711:

- 1) Staffing and Qualifications
- 2) HSI Design
- 3) Procedure Development
- 4) Training Program Development
- 5) Verification and Validation
- 6) Design Implementation
- 7) Human Performance Monitoring

We hope the staff finds these documents helpful in reviewing the US-APWR HFE Program and reaching a favorable conclusion regarding NUREG-0711 compliance. Enclosed is the response to the RAI contained within Reference 1.

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,



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

DOB
NRC

Enclosure:

1. CD1: US-APWR HFE Implementation Plan (includes 7 documents in the CD1)

MUAP-10008, Rev.0

MUAP-10009, Rev.0

MUAP-10010, Rev.0

MUAP-10011, Rev.0

MUAP-10012, Rev.0

MUAP-10013, Rev.0

MUAP-10014, Rev.0

The files contained in the CD are listed in Attachment 1 hereto.

CC: J. A. Ciocco
C. K. Paulson

Contact Information

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ATTACHMENT 1

FILES CONTAINED IN CD 1

CD 1: "US-APWR HFE Implementation Plan"

Contents of CD

<u>File Name</u>	<u>Size</u>	<u>Sensitivity Level</u>
MUAP-10008 Staffing and Qualifications Implementation Plan.pdf	0.3 MB	Non-Proprietary
MUAP-10009 HSI Design Implementation Plan.pdf	0.3 MB	Non-Proprietary
MUAP-10010 Procedure Development Implementation Plan.pdf	0.4 MB	Non-Proprietary
MUAP-10011 Training Program Development Implementation Plan.pdf	0.4 MB	Non-Proprietary
MUAP-10012 Verification and Validation Implementation Plan.pdf	0.4 MB	Non-Proprietary
MUAP-10013 Design Implementation Plan.pdf	0.1 MB	Non-Proprietary
MUAP-10014 Human Performance Monitoring Implementation Plan.pdf	0.5 MB	Non-Proprietary