



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

October 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-09509

Subject: Update of Chapter 3 of US-APWR DCD

- Reference:**
- 1) CP-200801264 Log # TXNB-08024 from M. L. Lucas (Luminant) to U.S. NRC, "COMBINED LICENSE APPLICATION FOR COMANCHE PEAK NUCLEAR POWER PLANT, UNITS 3 AND 4 PROJECT NO. 0754" dated on September 19, 2008
 - 2) Letter MHI Ref: UAP-HF-09490 from Y. Ogata (MHI) to U.S. NRC, "Submittal of US-APWR Design Control Document Revision 2 in Support of Mitsubishi Heavy Industries, Ltd.'s Application for Design Certification of the US-APWR Standard Plant Design" dated October 27, 2009.
 - 3) NRC Request for Additional Information No. 2757 Revision 0, RAI #67, 9/20/2009, Comanche Peak Units 3 and 4, Luminant Generation Company, LLC. Docket No. 52-034 and 52-035, SRP Section: 03.02.02 - System Quality Group Classification, Application Section: 3.2.2

During the review process of the Combined License Application for Comanche Peak Units 3 and 4 (Reference 1, "R-COLA"), which incorporates by reference the Mitsubishi Heavy Industries, Ltd. (MHI) Design Certification Application for the US-APWR Standard Plant Design (Reference 2, "DCD"), the U.S. Nuclear Regulatory Commission ("NRC") Staff has requests additional information about the CWS (Reference 3).

Based on our response to this RAI, updates of Chapter 3 of our US-APWR Design Control Document are required.

With this letter, MHI transmits to the NRC Staff the proposed updates to be made to the DCD based on our response to this RAI. These updates will be incorporated into future DCD revisions.

Please contact Dr. C. Keith Paulson, Senior Technical Manager, Mitsubishi Nuclear Energy Systems, Inc. if the NRC has questions concerning any aspect of this letter. His contact information is provided below.

J081
MRO

Sincerely,

A handwritten signature in black ink, appearing to read "Y. Ogata". The signature is written in a cursive style with a long horizontal stroke at the end.

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

Enclosure:

1. Update of Chapter 3 of the US-APWR DCD

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

UAP-HF-9509
Docket No. 52-021

Update of Chapter 3 of US-APWR DCD

October 2009

Mitsubishi received an NRC Request for Additional Information No. 2772 (CP RAI#57), dated 9/14/2009.

In response to the above RAI #57, it became necessary to revise Chapter 3 of our US-APWR Design Control Document.

Table 1 shows the change list of Chapter 3 of the DCD, which gives the positions, the contents and the reasons of changing DCD. Mark-up drafts of the DCD are also attached to this document.

Table 1 Change List of Chapter 3 of DCD

Page	Location (e.g., subsection with paragraph/ sentence/ item, table with row/column, or figure)	Description of Change
3.9-224 and 225	Table 3.9-14 Sheet 104 and 105	<p>Inservice testing frequency of EWS-MOV-504A, B, C, and D has been changed from "cold shutdown" to "quarterly". The IST Notes have been deleted.</p> <p>Reason: Since the test frequency of the essential service water pumps is quarterly, the test frequency of valves EWS-MOV-504A, B, C and D should be consistent with those of the pumps.</p>

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9.06-7

**Table 3.9-14 Valve Inservice Test Requirements
(Sheet 104 of 151)**

Valve Tag Number	Description	Valve/ Actuator Type	Safety-Related Missions	Safety Functions(2)	ASME IST Category	Inservice Testing Type and Frequency	IST Notes
EWS-VLV-502B	Essential service water pump discharge check	Check	Maintain Open Transfer Open Maintain Close Transfer Close	Active	BC	Check Exercise/ Refueling Outage	3
EWS-VLV-502C	Essential service water pump discharge check	Check	Maintain Open Transfer Open Maintain Close Transfer Close	Active	BC	Check Exercise/ Refueling Outage	3
EWS-VLV-502D	Essential service water pump discharge check	Check	Maintain Open Transfer Open Maintain Close Transfer Close	Active	BC	Check Exercise/ Refueling Outage	3
EWS-MOV-503A	Essential service water pump discharge	Remote MO Butterfly	Maintain Close Maintain Open Transfer Open	Active Remote Position	B	Remote Position Indication, Exercise/2 Years Exercise Full Stroke/ Cold Shutdown Quarterly Operability Test	6
EWS-MOV-503B	Essential service water pump discharge	Remote MO Butterfly	Maintain Close Maintain Open Transfer Open	Active Remote Position	B	Remote Position Indication, Exercise/2 Years Exercise Full Stroke/ Cold Shutdown Quarterly Operability Test	6

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**Table 3.9-14 Valve Inservice Test Requirements
(Sheet 105 of 151)**

Valve Tag Number	Description	Valve/ Actuator Type	Safety-Related Missions	Safety Functions(2)	ASME IST Category	Inservice Testing Type and Frequency	IST Notes
EWS-MOV-503C	Essential service water pump discharge	Remote MO Butterfly	Maintain Close Maintain Open Transfer Open	Active Remote Position	B	Remote Position Indication, Exercise/2 Years Exercise Full Stroke/ Gold Shutdown Quarterly Operability Test	6
EWS-MOV-503D	Essential service water pump discharge	Remote MO Butterfly	Maintain Close Maintain Open Transfer Open	Active Remote Position	B	Remote Position Indication, Exercise/2 Years Exercise Full Stroke/ Gold Shutdown Quarterly Operability Test	6
EWS-VLV-602A	Essential service water pump cooling water check	Check	Maintain Open Transfer Open Transfer Close	Active	BC	Check Exercise/ Refueling Outage	3
EWS-VLV-602B	Essential service water pump cooling water check	Check	Maintain Open Transfer Open Transfer Close	Active	BC	Check Exercise/ Refueling Outage	3
EWS-VLV-602C	Essential service water pump cooling water check	Check	Maintain Open Transfer Open Transfer Close	Active	BC	Check Exercise/ Refueling Outage	3