

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

July 27, 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-10220

**Subject: MHI's Response to US-APWR DCD RAI No. 611-4873 Revision 2**

**Reference:** 1) "Request for Additional Information No. 611-4873 Revision 2, SRP Section: 14.03.10 – Emergency Planning - Inspections, Tests, Analyses, and Acceptance Criteria - Application Section: 14.3.4.10 dated July 20, 2010.

With this letter, Mitsubishi Heavy Industries, Ltd. ("MHI") transmits to the U.S. Nuclear Regulatory Commission ("NRC") a document entitled "Response to Request for Additional Information No. 611-4873 Revision 2."

Enclosed is the response to Question 14.03.10-3 that is 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,

*Y. Ogata*

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

Enclosure:

1. Response to Request for Additional Information No. 611-4873 Revision 2

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

*D081  
NRD*

Docket No. 52-021  
MHI Ref: UAP-HF-10220

Enclosure 1

UAP-HF-10220  
Docket No. 52-021

Response to Request for Additional Information No. 611-4873  
Revision 2

July 2010

---

---

**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION**

---

---

07/27/2010

**US-APWR Design Certification**

**Mitsubishi Heavy Industries**

**Docket No. 52-021**

**RAI NO.:** NO. 611-4873 REVISION 2  
**SRP SECTION:** 14.03.10- EMERGENCY PLANNING – INSPECTIONS, TESTS,  
ANALYSES, AND ACCEPTANCE CRITERIA  
**APPLICATION SECTION:** 14.3.4.10  
**DATE OF RAI ISSUE:** 7/20/2010

---

**QUESTION NO.:14.03.10-3**

Open Item 13.03-03: Subject: ITAAC for Design Certification  
[Basis: 10 CFR 52.47(b)(1)]

Section 14.3.4.10, "ITAAC for Emergency Planning," of Revision 2 to the Design Certification Document (DCD), states in part that Inspections Tests Analyses and Acceptance Criteria (ITAAC) for emergency planning are provided in accordance with the requirements of 10 CFR 52.80(b). However, 10 CFR 52.80(b) merely requires that a Combined Operating License application contain an environmental report. Upon the staff's review, it appears that the appropriate regulatory citation for design certification ITAAC is 10 CFR 52.47(b)(1). Update Section 14.3.4.10 of the DCD to include the appropriate regulation citation of 52.47(b)(1) rather than 52.80(b).

---

**ANSWER:**

MHI agrees that the reference 10 CFR 50.80(b) is incorrect for emergency planning ITAAC. DCD Subsection 14.3.4.10 will be revised to cite 10 CFR 52.47(b)(1), which requires ITAAC to ensure the plant will be constructed and operated in conformity with the design certification, the provisions of the Act, and the Commission's rules and regulations and an environmental report as required by 10 CFR 51.55.

**Impact on DCD**

MHI has revised Subsection 14.3.4.10 as follows:

**"14.3.4.10 ITAAC for Emergency Planning**

Section 2.10 of Tier 1, which covers emergency planning, is prepared in accordance with the guidance in RG 1.206 (Reference 14.3-1) and SRP 14.3.10 (Reference 14.3-14). ITAAC for the emergency planning are provided in accordance with the requirements of 10 CFR ~~52.80(b)~~ (Ref 14.3-4) 52.47(b) (Ref 14.3-41). These ITAAC are consistent with the applicable generic ITAAC in Table C.II.1-B1 of Appendix C.II.1-B to RG 1.206 (Reference 14.3-1) and provide for verifying the following:"

MHI has revised Subsection 14.3.7 to list the appropriate regulation to the end of this section as follows:

14.3-41 'Contents of Applications; Technical Information,' "Licenses, Certifications, and Approvals for Nuclear Power Plants," Energy. Title 10, Code of Federal Regulations, Part 52.47, U.S. Nuclear Regulatory Commission, Washington, DC.

**Impact on COLA**

There is no impact on the COLA.

**Impact on PRA**

There is no impact on the PRA.