

REQUEST FOR ADDITIONAL INFORMATION NO. 196-2066 REVISION 0

2/9/2009

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 14.03.04 - Reactor Systems - Inspections, Tests, Analyses, and Acceptance Criteria
Application Section: DCD Section 2.9

QUESTIONS for Construction Inspection and Allegations Branch (CCIB)

14.03.04-31

The following typographical or editorial errors were noted in US-APWR Tier 2, Chapter 14, Section 14.3.4.9 and Tier 1, Chapter 2, Section 2.9:

Page 2.9-10, Design Commitment, Item 7a: "10 CFR 70" should be "10 CFR 50."

14.03.04-32

Provide acceptance criteria corresponding to each design commitment bullet in item 2 of US-APWR DCD Tier 1 Table 2.9-1.

Three specific operating experience review steps are itemized as design commitments in item 2 of US-APWR DCD Tier 1 Table 2.9-1. The associated acceptance criteria do not make a step-for-step comparison with the design commitments. Therefore, it is not possible for an inspector to verify that the design commitments are met. The design commitment is concerned with implementing processes, and the acceptance criteria is concerned with entering HFE issues and resolutions into the HFE issues tracking systems. There is an apparent discrepancy in what the design commitment is concerned with in comparison to the acceptance criteria.

Even the design commitment is unclear because it ends with 'implements the following process'. The word 'process' should probably be 'processes' instead.

14.03.04-33

ITAAC Item 3 in Table 2.9-1

The design commitment is more definitive than the acceptance criterion. If the acceptance criterion is more definitive than the design commitment, that is permissible but not vice versa.

Also applicable to the following ITAAC:

ITAAC Item 4 in Table 2.9-1

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ITAAC Item 6 in Table 2.9-1
ITAAC Item 7i. in Table 2.9-1
ITAAC Item 7m. in Table 2.9-1
ITAAC Item 7n. in Table 2.9-1
ITAAC Item 8.1) in Table 2.9-1
ITAAC Item 8a. in Table 2.9-1

14.03.04-34

ITAAC Item 7f. in Table 2.9-1

Provide acceptance criteria corresponding to each design commitment bullet in item 7f of US-APWR DCD Tier 1 Table 2.9-1.

Five specific spatially dedicated, continuously visible, human-system interfaces are itemized as design commitments in item 7f of US-APWR DCD Tier 1 Table 2.9-1. The associated acceptance criteria do not make a step-for-step comparison with the design commitments. Therefore, it is not possible for an inspector to verify that the design commitments are met.

Also applicable to following ITAAC:

ITAAC Item 7j. in Table 2.9-1

14.03.04-35

Verify that the “design” referenced in the design commitment in item 9 of US-APWR DCD Tier 1 Table 2.9-1 is intended to refer to the “HFE design.”

The phrase “HFE design” is used for the Inspections, Tests, Analyses column and Acceptance Criteria column for item 9. The word “design” without the modifier “HFE” could imply the entire US-APWR plant design under the design commitment.