

REQUEST FOR ADDITIONAL INFORMATION 474 3811 REVISION 1

10/14/2009

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 09.04.05 - Engineered Safety Feature Ventilation System
Application Section: SRP 9.4.5

QUESTIONS for Containment and Ventilation Branch 1 (AP1000/EPR Projects) (SPCV)

09.04.05-10

From evaluation of MHI Responses to Question No. 09.04.05-2 of RAI No. 356-2549 (MHI Ref. UAP-HF-09386, dated July 17, 2009, ML092030375) for SRP Section 9.4.5 and its related response to Question No. 14.03.07-26 of RAI No. 184-1912, (MHI Ref. UAP-HF-09166, dated April 9, 2009, ML091040177), the staff submits the following requests :

1) In the response to 14.03.07-26, the Design Commitment (DC) of Line item 4.b of Table 2.7.5.2-3 reads "The Class 1E electrical room HVAC system provides conditioning air to maintain area design temperature limits within the Class 1E..." Explain why "relative humidity limits (as applicable)" are not included in item 4.b of Table 2.7.5.2-3.

2) It appears that the DC and Acceptance Criteria (AC) of Line item 4.c of Table 2.7.5.2-3 should be expanded to include "....during all plant operating conditions, including normal plant operations, abnormal and accident conditions." Please explain why this statement is not included.

3) It appears the DC and Acceptance Criteria (AC) of Line item 4.d of Table 2.7.5.2-3 should be expanded to read ".... when the respective equipment is operating during a design basis accident or LOOP." Please explain why this statement is not included.

4) It appears the DC and Acceptance Criteria (AC) of Line item 4.e of Table 2.7.5.2-3 should be expanded to read ".... when the respective equipment is operating during a design basis accident or LOOP." Please explain why this statement is not included.

5) It appears the DC and Acceptance Criteria (AC) of Line item 4.f of Table 2.7.5.2-3 should be expanded to read ".... when the respective equipment is operating during a design basis accident or LOOP." Please explain why this statement is not included.