

REQUEST FOR ADDITIONAL INFORMATION NO. 119-792 REVISION 0

12/3/2008

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 06.02.01.05 - Minimum Containment Pressure Analysis for Emergency Core Cooling
System Performance Capability Studies
Application Section: 6.2.1.5

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

06.02.01.05-5

6.2.1.5: Comparing Table 6.2.1-30 with Table 6.2.1-9 (for nominal breaks), the heat transfer areas are always larger in Table 6.2.1-30 (to increase the heat transfer), however thickness of concrete and other materials appeared to be larger as well. It appears that for conservative calculations the thicknesses of the walls in contact with the exterior cold temperature should be minimized rather than maximized. Please, discuss and/or justify the used thicknesses.