

REQUEST FOR ADDITIONAL INFORMATION 884-6223 REVISION 2

1/9/2012

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 03.06.01 - Plant Design for Protection Against Postulated Piping Failures in Fluid Systems Outside Containment
Application Section: 3.6.1

QUESTIONS for Balance of Plant Branch 1 (SBPA)

03.06.01-10

FSAR Section 3.6.1 discusses the measures provided to protect the essential SSCs from the consequences of a postulated piping failure. Branch Technical Position 3-4, "Postulated Rupture Locations in Fluid System Piping Inside and Outside Containment," defines essential SSCs as systems and components necessary to shut down the reactor and mitigate the consequences of a postulated pipe rupture without offsite power. The staff could not find in the FSAR the definition of an essential SSC, therefore, the staff could not confirm that the applicant's definition of an essential SSC is consistent with the definition provided in BTP 3-4.

The staff requests the applicant to update the FSAR in order to include the definition of an essential SSC.