

REQUEST FOR ADDITIONAL INFORMATION 815-5986 REVISION 3

8/23/2011

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 06.03 - Emergency Core Cooling System

Application Section: Chapter 6.3

QUESTIONS for Reactor System, Nuclear Performance and Code Review (SRSB)

06.03-102

The calculation for the delay time for debris reaching the RWSP in Appendix E of MUAP-08013 Rev. 1 has the following seeming non-conservatisms: neglecting the RCS and accumulator volumes, the possibility of not filling or bypassing ineffective pools, the possibility of reduced return flow to the RWSP and the inclusion of minimum water level (margin for design basis). In light of these seeming non-conservatisms, justify the calculational methodology used for determining the delay time.