

**REQUEST FOR ADDITIONAL INFORMATION 889-6273 REVISION 3**

1/17/2012

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 15.04.01 - Uncontrolled Control Rod Assembly Withdrawal from a Subcritical or Low  
Power Startup Condition  
Application Section: 15.4.01

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

15.04.01-10

In response to RAI 2340, Question 15.4.1-5, MHI stated in UAP-HF-09344 that a bottom skewed axial power distribution was used in both TWINKLE-M and VIPRE-01M. Explain why the generic, top skewed axial power distribution given in DCD Chapter 4.4 used in the VIPRE-01M DNBR calculation is not used as the VIPRE-01M axial power shape.