

**REQUEST FOR ADDITIONAL INFORMATION MUAP-07010, -07011, -07013 FROM
FEBRUARY 25-26, 2009 MEETINGS**

04/03/2009

US-APWR TOPICAL REPORTS

MUAP-07010, MUAP-07011, AND MUAP-07013

Mitsubishi Heavy Industries, Inc.

Docket No. 52-021

SRSB Branch

The following are the NRC requests based on information discussed at the February 25 - 26, 2009 meetings with MHI regarding the MARVEL-M and M-RELAP5 code reviews, and the confirmatory analyses for SBLOCA, LBLOCA and Non LOCA Topical Reports:

1. The notebook, UAP-KS-L0335 (R1), contains initial conditions for the steady-state for the MRELAP5 SBLOCA model. This information is needed to assure that the RELAP5 model to be used for confirmatory calculations has initial conditions that are as close as possible to those used by MHI.
2. The LBLOCA COBRA-TRACE model initial conditions for the base case and the limiting PCT case are requested so that the RELAP5/MOD3.3 model initial conditions and transient assumptions used for confirmatory calculations are consistent with the MHI model.
3. The MARVEL model initial conditions and the assumptions used for the following non-LOCA cases are requested: (1) DNB-limiting MSLB case [hot zero power with offsite power available], (2) peak-pressure limiting loss-of-load case and (3) limiting SGTR offsite-dose evaluation case.
4. Input decks for all of the M-RELAP5 assessment cases listed in MUAP-07013P and additional M-RELAP5 assessment cases run in response to RAIs.