

Supplemental RAI Request for RAI 6.3-41

6.3-41 Please address the following two questions related to GDCS pool opening perforated screen design.

- (A) In GE's response to RAI 6.3-41 (MFN06-465), GE stated that the hole size of the perforated screen is less than that of the fuel assembly inlet orifice. Please provide the ESBWR minimum orifice diameter and the minimum GDCS injection line diameter. Clarify the design criteria of sizing the perforated screen.
- (B) In GE's response to RAI 6.3-41 (MFN06-465), GE indicated that the GDCS opening screen will be designed to provide protection against the two-phase jet impingement and the missile attack. Please specify the type of limiting two-phase jet regarding its source, strength and duration. If it is the intention for GE to complete the design of the perforated screen during the DCD phase, please provide the relevant analysis and evaluation reports. If not, discuss the plan to complete the design and the relevant design criteria.