

REQUEST FOR ADDITIONAL INFORMATION 792-5928 REVISION 3

7/26/2011

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 18 - Human Factors Engineering

Application Section: 18.5

QUESTIONS for Operating Licensing and Human Performance Branch (AP1000/EPR Projects) (COLP)

18-140

This question is a follow-up to RAI 725-5408, question 18-104.

The responses with regard to the single unit staffing and the role of the second RO, the staff finds acceptable and confirmatory.

The response with regard to the role(s) of the SRO/STA, the staff finds the response does not provide sufficient information to address the staff concerns. The Shift Supervisor and STA responsibilities are not sufficiently defined for abnormal control room operations so that the staff can be assured the SRO/ STA working in the dual role will be able to successfully perform both duties. The staff requests additional justification describing how the Shift Supervisor will be able to perform the functions of the STA (as described in Generic Letter 79-61); and show that he is capable of all other concurrent duties during accident conditions such as interim site emergency director, communicating with the off-site organizations, company organizations, etc., while maintaining vigilance on the emergency plan which is in constant need of evaluation during an accident. Additionally, the shift supervisor, will likely be filling the interim site emergency director role for greater than one hour during the initial implementation of the emergency plan; until the emergency response organization is manned and he is relieved as emergency director. Explain how he can provide insight to the operating crew as STA during this time.

Reference: MHI's Responses to US-APWR RAI No. 725-5408; MHI Ref: UAP-HF-11124; dated April 27, 2011; ML11119A208.