

REQUEST FOR ADDITIONAL INFORMATION NO. 106-1670 REVISION 0

11/24/2008

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 15.00.03 - Design Basis Accidents Radiological Consequence Analyses for Advanced
Light Water Reactors
Application Section: DCD 15.0.3

QUESTIONS for Siting and Accident Conseq Branch (RSAC)

15.00.03-26

In DCD section 15.0.4, the following combined license information item is listed:

COL 15.0 (1) In the COLA, if the site-specific χ/Q values exceed DCD χ/Q values, then the COL Applicant is to demonstrate how the dose reference values in 10 CFR 50.34 and the control room dose limits in 10 CFR 50, Appendix A, General Design Criteria 19 are met for affected events using site-specific χ/Q values.

The dose reference values used in evaluating the COLAs are included in 10 CFR 52.79, as well as 10 CFR 50.34, so that reference should be added. A grammatical correction should be made to refer to "General Design Criterion 19" (instead of criteria).

In addition, the staff thinks that the COL item should also identify that the technical support center (TSC) dose should be evaluated against the habitability requirements in Paragraph IV.E.8 to 10 CFR Part 50, Appendix E, and 10 CFR 50.47(b)(8) and (b)(11), for the case where site-specific χ/Q values are not bounded by the DCD values.