

REQUEST FOR ADDITIONAL INFORMATION 819-6004 REVISION 3

8/30/2011

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 02 - Site Characteristics and Site Parameters
Application Section: 2.0

QUESTIONS for USAPWR Projects Branch (NMIP)

02-2

This is a follow-up question to RAI 518-3967, question 02-1.

RAI 518-3967, question 02-1 provided the following definitions from 10 CFR 52.1 (a) and requested the applicant to clarify the use of the terms "characteristics" and "parameters" within the Design Control Document (DCD) Tier 2, Chapter 2, "Site Characteristics."

Site characteristics are the actual physical, environmental and demographic features of a site. Site characteristics are specified in an early site permit or in a final safety analysis report for a combined license.

Site parameters are the postulated physical, environmental and demographic features of an assumed site. Site parameters are specified in a standard design approval, standard design certification, or manufacturing license.

In its reply, the applicant identified four specific locations where the word "parameters" was replaced with the word "characteristics." Those changes were completed in revision 3 of the DCD. However, this does not resolve the incorrect use in the title of Chapter 2, "Site Characteristics."

Other design certification applicants have encountered a similar situation and resolved it by adding words at the start of Chapter 2 to explain the use of the two phrases as defined in 10 CFR 52 and used in the respective Chapter 2. This avoids renaming the chapter with the cascade of changes which would necessarily follow elsewhere in the DCD and in other reports. Specifically, staff recommends that the applicant review the beginning of chapter two in the following documents for suggestions and add words to the US-APWR DCD Tier 2, Chapter 2 to explain the use of the defined phrases and explain the mismatch with the definitions.

- ML11171A420, Westinghouse AP1000, Revision 19, Chapter 2, page 2-1, first two paragraphs

- ML102570992, Areva EPR, Revision 2, Chapter 2, page 2.1-1, section 2.0

Reference: MHI's Responses to US-APWR DCD RAI No. 518-3967; MHI Ref: UAP-HF-10044; dated February 15, 2010; ML100480253.