

REQUEST FOR ADDITIONAL INFORMATION 94-1491 REVISION 1

11/6/2008

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 02.05.04 - Stability of Subsurface Materials and Foundations
Application Section: 2.5.4

QUESTIONS for Geosciences and Geotechnical Engineering Branch 2 (RGS2)

02.05.04-1

Related to tables 2.1-1 (Tier 1) and 2.0-1 (Tier 2) "Key Site Parameters":

- a) Clarify your use of "average" static and dynamic bearing capacity rather than a minimum value. Please explain how the dynamic bearing pressure was determined.
- b) Clarify why there is not a parameter value for settlement in Tier 1 and a description in Tier 2, Section 2.5.4.
- c) Clarify the restrictions with regard to soil liquefaction, which states only "none."

02.05.04-2

Please provide site uniformity requirements for the foundation support media and how an applicant should address potential variability within the site subsurface media.