

REQUEST FOR ADDITIONAL INFORMATION 469-3362 REVISION 1

10/6/2009

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 09.05.07 - Emergency Diesel Engine Lubrication System
Application Section: Tier 2 Section 9.5.7

QUESTIONS for Balance of Plant Branch 1 (AP1000/EPR Projects) (SBPA)

09.05.07-18

Supplement to Question No. 09.05.07-8 (RAI 9.5.7-08; RAI Set No. 320-2010, Rev. 1; MHI Ref: UAP-HF-09294, dated 6/9/09, ML091630627): The changes to Tier 1, Table 2.6.4-1 provided in the response to RAI No. 242-2153 (Section 14.3.3, MHI Ref: UAP-HF-09215, dated 4/27/09, ML091240112) addresses the ASME Code Section III components for support systems that are required to support the safety functions of starting and operating the GTG. While the lubrication system is a GTG support system that is required to support the operation of the GTG, the response to Question 09.05.07-8 states that the system is designed to manufacturer's standards. Provide the basis for a safety-related GTG support system that is not in accordance with ASME III and provide more specific design, construction and testing criteria that ensure the support system will perform its safety function. In addition, Table 2.6.4-1 should be revised to address the distinction between ASME III GTG support systems and non-ASME III support systems or portions of support systems.

09.05.07-19

Supplement to Question No. 09.05.07-11 (RAI 9.5.7-11; RAI Set No. 320-2010, Rev. 1; MHI Ref: UAP-HF-09294, dated 6/9/09, ML091630627): The original RAI requested a discussion of the design requirements that are important to the reliability of the system. Since the response to Question No. 09.05.07-8 (RAI 9.5.7-08, RAI Set No. 320-2010) states that the lubrication system is designed to manufacturer's standards and not to ASME Section III standards and since failure of these components can cause the GTG to trip, the design requirements that reduce the potential for failure of these devices should be provided.