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**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION**

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03/22/2013

**US-APWR Design Certification**

**Mitsubishi Heavy Industries**

**Docket No. 52-021**

**RAI NO.:** NO. 766-5819 REVISION 3  
**SRP SECTION:** 03.07.02 – Seismic System Analysis  
**APPLICATION SECTION:** 3.7.2  
**DATE OF RAI ISSUE:** 06/09/2011

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**QUESTION NO. RAI 03.07.02-60:**

In MUAP-11002 (R0) Subsection 4.2, "Electrical Room," the last sentence in the first paragraph (page 12) states, "The Electrical Room is also structurally separated from the T/B." The applicant is requested to define the meaning of "structurally separated." If there is an engineered clearance between the structures and foundations, the Applicant should demonstrate that the clearance is sufficient to prevent contact between the structures and foundations during a seismic event. If there is not an engineered clearance, the applicant should explain why a clearance is not required to prevent contact between the structures and foundations of the Electrical Room and T/B during a seismic event.

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**ANSWER:**

This answer revises and replaces the previous MHI answer that was transmitted by letter UAP-HF-11392, dated November 16, 2011 (ML11326A129).

Consistent with the response to NRC RAI 909-6315 Question number 03.07.02-194, the Turbine Building (T/B) and Electrical Room superstructures are Seismic Category II on a common foundation. SRP 3.7.2 (II Acceptance Criteria 8) requires consideration of the effects of the interaction of non-Category I structures with Category I SSCs. Since the T/B and the Electrical Room are both non-Category I structures, the interaction between two non-Category I structures is not explicitly considered since there are no safety-related systems or component with these structures.

The design of the T/B and Electrical Room foundations has been modified in accordance with the Seismic Closure Plan (UAP-HF-13034, dated February 15, 2013, (ML13050A601)) to reflect a common foundation for both the T/B and Electrical Room.

**Impact on DCD**

There is no impact on the DCD.

**Impact on R-COLA**

There is no impact on the R-COLA.

**Impact on S-COLA**

There is no impact on the S-COLA.

**Impact on PRA**

There is no impact on the PRA.

**Impact on Technical/Topical Report**

There is no impact on a Technical/Topical Report.

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This completes MHI's response to the NRC's question.