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**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION**

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**08/01/2013**

**US-APWR Design Certification  
Mitsubishi Heavy Industries  
Docket No. 52-021**

**RAI NO.:** NO. 1045-7141 REVISION 3  
**SRP SECTION:** 03.08.05 – Foundations  
**APPLICATION SECTION:** 3.8.5  
**DATE OF RAI ISSUE:** 07/08/2013

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**QUESTION NO. 03.08.05-50:**

On April 3, 2013, the applicant submitted a markup of DCD Tier 2 Section 3.8 to provide updated information related to a seismic design change.

Figures 3.8.5-11 and 3.8.5-12, on Pages 3.8-303 and 3.8-304 are the reinforcement steel of the basemat in Section N-S and Section E-W, respectively.

The staff notices that in the drawings, the size and spacing for the vertical reinforcement steel are not shown. The applicant is requested to provide the size and spacing for the vertical reinforcement steel in the drawings or identify the amount of provided reinforcement verses the required reinforcement.

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**ANSWER:**

The additional steel callouts for the vertical reinforcement (shear ties) have been added in Figures 3.8.5-11 and 3.8.5-12 of the Design Control Document (DCD) in the Update Tracking Report (UTR) Revision 4 to DCD Revision 3 submitted to NRC on July 12, 2013.

**Impact on DCD**

The change submitted as UTR Revision 4 will be incorporated into Revision 4 of the DCD to be issued at the end of August 2013.

**Impact on R-COLA**

There is no impact on the R-COLA.

**Impact on PRA**

There is no impact on the PRA.

**Impact on Technical/Topical Report**

There is no impact on the Technical/Topical Report.

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