

**MNES**  
SONGS Project Office  
14300 Mesa Road (G55-SGR1)  
San Clemente, CA 92672

Jan. 18, 2013

MKT-NSL-120069

Mr. Edward Avella  
Director – Steam Generator Repair Project  
Southern California Edison  
14300 Mesa Road (G55-SGR1)  
San Clemente, CA 92672

**Subject:** MHI's Request to SCE Regarding Equipment Hatch Diameter Information  
Replacement Option Type #3

**Reference:**

Dear Mr. Avella:

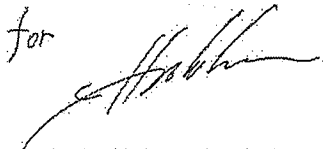
MHI is investigating the size of the lower shell, transition cone and a tube bundle wrapper for the Type #3 SG design. In Type #3, depending on the dimensions of the SONGS equipment hatch, the new SG's transition cone will connect to the current SG transition cone at a location that will facilitate installation thru the Equipment Hatch (E/H). It is our plan to connect the new wrapper to the existing lower primary separator deck. Therefore, to confirm this approach, we require the as-built or actual E/H opening dimensions. For the investigation of the design, MHI requests SCE provide the following information:

- 1) Available E/H dimensions based on the current drawings (ASAP).
- 2) Available E/H dimensions based on the recent, more precise laser measurements.


In general, small available E/H diameter creates severe design limitations for Type #3 replacement. Therefore, MHI plans to perform a preliminary sizing for Type #3 using Item 1 above. The Item 1 information will be used as preliminary design input. Item 2 will be used as formal design inputs for "Design Optimization of 3/4" and 1 1/16" OD tube bundle Conceptual Designs" that will start Feb. 1, 2013.

MHI would like to receive the Item 1 information by Jan. 21, 2013, and Item 2 by Feb. 5, 2013

Sincerely yours,

for  


Hitoshi Kaguchi, Ph.D., P.E.  
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Mitsubishi Nuclear Energy Systems, Inc.

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