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Subject: **Final Reactor Building/Fuel Building Truncated Models**

As discussed during a NRC/BNL/GE telecon on October 4, 2006, Enclosures 1 through 3 provide GE's response to the BNL request for confirmatory analysis of the RB/FB truncated model. This is a simplified version (as compared to References 1 and 2) in terms of load application and includes some modeling changes as described in the Enclosure 1 report

If you have any questions about the information provided here, please let me know.

Sincerely,

A handwritten signature in cursive script that reads "Kathy Sedney for".

David H. Hinds  
Manager, ESBWR

References:

1. MFN 06-262 - Letter from David H. Hinds to U.S. Nuclear Regulatory Commission, *Reactor Building/Fuel Building Truncated Finite Element Model Analysis Data*, August 7, 2006
2. MFN 06-262, Supplement 1 - Letter from David H. Hinds to U.S. Nuclear Regulatory Commission, *Reactor Building/Fuel Building Finite Element Model Analysis Data – Truncated and Full Models*, August 21, 2006

Enclosures:

1. MFN 06-262, Supp. 2 – Shimizu Engineering Report SER-ESB-038, Rev. 3, “Modified RBFB Truncated FE Model Analysis Data,” October 26, 2006
2. MFN 06-262, Supp. 2 – Shimizu Engineering Report SER-ESB-048, Rev. 0, “Evaluation of Modeling Details for RBFB Stress and Seismic Analyses” October 26, 2006
3. MFN 06-262, Supp. 2 - NASTRAN Analysis Input Data and NASTRAN Analysis Results (CD)

cc: AE Cabbage USNRC (with enclosures)  
GB Stramback GE/San Jose (with enclosures)  
eDRF 0000-0060-3202